



NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **BOAT USED FOR INSPECTION / LADDER USED FOR INSPECTION / "PAR"s ISSUED**

# Structure Safety Report

## Routine Element Inspection - Contract

INSPECTION DATE: 09/22/2020

DIVISION: 3 COUNTY: PENDER STRUCTURE NUMBER: 700015 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC11 MILE POST: \_\_\_\_\_

LOCATION: 0.2 MI.S. OF JCT.SR1324

FEATURE INTERSECTED: CROOKED RUN

LATITUDE: 34° 39' 47.85" LONGITUDE: 78° 2' 32.57"

SUPERSTRUCTURE: \_\_\_\_\_

SUBSTRUCTURE: \_\_\_\_\_

SPANS: 2 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTURE CRITICAL  TEMPORARY SHORING  SCOUR CRITICAL  SCOUR PLAN OF ACTION

NBI GRADES: DECK 6 SUPERSTRUCTURE 5 SUBSTRUCTURE 5 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 4 DELINEATORS



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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS \_\_\_\_\_

LOOKING NORTH

INSPECTED BY TIM EARP	SIGNATURE <i>Tim Earp</i>	ASSISTED BY WARREN HACKLER
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IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE 700015  
 (8) STRUCTURE NUMBER (FEDERAL) 1410015  
 (5) INVENTORY ROUTE (ON/UNDER) ON 131000110  
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 3  
 (3) COUNTY CODE (FEDERAL) 141 (4) PLACE CODE 00000  
 (6) FEATURE INTERSECTED CROOKED RUN  
 (7) FACILITY CARRIED NC11  
 (9) LOCATION 0.2 MI.S. OF JCT.SR1324  
 (11) MILEPOINT 0.0  
 (12) BASE HIGHWAY NETWORK 0  
 (13) LRS INVENTORY ROUTE & SUBROUTE  
 (16) LATITUDE 34° 39' 47.85" (17) LONGITUDE 78° 2' 32.57"  
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED  
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING 67.99  
 STATUS =  
 CLASSIFICATION  
 (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 Temporary Structure or Conditions T  
 (110) DESIGNATED NATIONAL NETWORK - on national network for trucks 0  
 (20) TOLL On Free Road 3  
 (21) MAINT - 01  
 (22) OWNER - 01  
 (37) HISTORICAL SIGNIFICANCE - 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN Steel  
 TYPE Stringer/Multi-beam or girder CODE 302  
 (44) STRUCTURE TYPE APPROACH  
 TYPE CODE  
 (45) NUMBER OF SPANS IN MAIN UNIT 2  
 (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  
 (58) DECK 6  
 (59) SUPERSTRUCTURE 5  
 (60) SUBSTRUCTURE 5  
 (61) CHANNEL & CHANNEL PROTECTION 6  
 (62) CULVERTS N

LOAD RATING AND POSTING

CODE  
 (31) DESIGN LOAD Unknown 0  
 (63) OPERATING RATING METHOD - Load Factor 1  
 (64) OPERATING RATING - HS-33 60  
 (65) INVENTORY RATING METHOD - 1  
 (66) INVENTORY RATING HS-20 36  
 (70) BRIDGE POSTING No Posting Required 5  
 (41) STRUCTURE OPEN, POSTED, OR CLOSED D  
 DESCRIPTION Open, would be posted or closed except for temporary shoring

AGE AND SERVICE

(27) YEAR BUILT 1962  
 (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 1500  
 (30) YEAR OF ADT 2019 (109) TRUCK ADT PCT 7  
 (19) BYPASS OR DETOUR LENGTH 1.0

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

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 19.0  
 (49) STRUCTURE LENGTH 41.0  
 (50) CURB OR SIDEWALK: LEFT 0.7 RIGHT 0.7  
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB 24.1  
 (52) DECK WIDTH OUT TO OUT 27.5  
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 23.0  
 (33) BRIDGE MEDIAN No median CODE 0  
 (34) SKEW 30 (35) STRUCTURE FLARED 0  
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9  
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.1  
 (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

CODE  
 (75) TYPE OF WORK  
 (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 3,000 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 09/20 (91) FREQUENCY 24  
 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE  
 A) FRACTURE CRIT DETAIL A)  
 B) UNDERWATER INSP 60 B) 09/19  
 C) OTHER SPECIAL INSP C)

SCOUR

## Superstructure Build Details

Span Number 1

Span Length 20.5830

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
14	Movable Bearing	Movable Bearing	14 Each	Unknow	11
12	Fixed Bearing	Fixed Bearing	12 Each	Unknow	11
13	Plate Girder	Steel Open Girder/Beam	273 Feet	Galvanized Protective System	936
11	Other Bearing	Other Bearings	11 Each	Unknow	11
2	Concrete Railing	Reinforced Concrete Bridge Railing	42 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	523 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	496 Square Feet		

Span Number 2

Span Length 20.6700

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
12	Plate Girder	Steel Open Girder/Beam	252 Feet	Galvanized Protective System	864
1	Reinforced Concrete Deck	Reinforced Concrete Deck	526 Square Feet		
11	Movable Bearing	Movable Bearing	11 Each	Unknow	11
2	Concrete Railing	Reinforced Concrete Bridge Railing	42 Feet		
11	Other Bearing	Other Bearings	11 Each	Unknow	11
11	Fixed Bearing	Fixed Bearing	11 Each	Unknow	11
1	Asphalt Wearing Surface	Wearing Surface	498 Square Feet		

# Structure Element Scoring

Structure Number: 700015

Inspection Date 9/22/2020

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	1049	690	308	51	0
107	0	Steel Open Girder/Beam	Beam	462	395	23	36	8
515	107	Steel Protective Coating	Beam	1800	1303	426	55	16
216	0	Timber Abutment	Abutments	58	46	12	0	0
225	0	Steel Pile	Piles and Columns	8	0	5	3	0
515	225	Steel Protective Coating	Piles and Columns	125	122	1	0	2
228	0	Timber Pile	Piles and Columns	17	3	13	1	0
231	0	Steel Pier Cap	Caps	68	21	43	3	1
515	231	Steel Protective Coating	Caps	388	273	85	30	0
234	0	Reinforced Concrete Pier Cap	Caps	100	74	9	17	0
311	0	Movable Bearing	Bearing Device	22	9	10	3	0
515	311	Steel Protective Coating	Bearing Device	22	9	1	11	1
313	0	Fixed Bearing	Bearing Device	22	9	10	3	0
515	313	Steel Protective Coating	Bearing Device	22	9	2	11	0
316	0	Other Bearings	Bearing Device	22	0	20	2	0
515	316	Steel Protective Coating	Bearing Device	22	0	19	3	0
320	0	Prestressed Concrete Approach Slab	Approaches	0	0	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	84	56	20	8	0
510	0	Wearing Surface	Wearing Surfaces	994	859	60	75	0

# Summary of Maintenance Needs

## Maintenance By Defect

Structure Number: 700015

Inspection Date: 09/22/2020

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	314 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	40 Square Feet
3314	Steel Open Girder/Beam	Connection	1 Feet
3314	Steel Open Girder/Beam	Corrosion	43 Feet
3354	Steel Pile	Corrosion	3 Each
3344	Timber Pile	Check/Shake	1 Each
3344	Timber Pile	Decay/Section Loss	2 Each
3354	Steel Pier Cap	Damage	2 Feet
3354	Steel Pier Cap	Corrosion	2 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	17 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	1 Feet
3334	Movable Bearing	Corrosion	2 Each
3334	Movable Bearing	Connection	1 Each
3334	Fixed Bearing	Corrosion	3 Each
3334	Other Bearings	Corrosion	2 Each
3318	Reinforced Concrete Bridge Railing	Efflorescence/Rust Staining	1 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	3 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	9 Feet
2816	Wearing Surface	Crack (Wearing Surface)	135 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	154 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	118 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	375 Square Feet

## Element Structure Maintenance Quantities

Structure Number: 700015

Inspection Date 09/22/2020

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	0	58	0	0	12	46
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	0	0	0	0	0
Beam	3314	Maintenance Steel Superstructure Components	44	462	8	36	23	395
Beam	3342	Clean and Paint Steel	482	1800	16	55	426	1303
Bearing Device	3334	Bridge Bearing	8	66	0	8	40	18
Bearing Device	3342	Clean and Paint Steel	47	66	1	25	22	18
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	13	84	0	8	20	56
Caps	3342	Clean and Paint Steel	115	388	0	30	85	273
Caps	3348	Maintenance of Concrete Substructure	18	100	0	17	9	74
Caps	3354	Maintenance of Steel Substructure Components	4	68	1	3	43	21
Deck	3326	Maintenance of Concrete Deck	354	1049	0	51	308	690
Piles and Columns	3342	Clean and Paint Steel	3	125	2	0	1	122
Piles and Columns	3344	Maintenance To Timber Substrcutre	3	17	0	1	13	3
Piles and Columns	3354	Maintenance of Steel Substructure Components	3	8	0	3	5	0
Wearing Surfaces	2816	Asphalt Surface Repair	135	994	0	75	60	859

# Priority Actions Request

Structure Number 700015

Span1

3314	Beam 2	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 1 Beam 2: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 3	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 1 Beam 3: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 4	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 1 Beam 4: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB DOWN TO A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 5	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	2	Span 1 Beam 5: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 4" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 6	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 1 Beam 6: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 7	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	2	Span 1 Beam 7: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Beam 8	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	2	Span 1 Beam 8: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB,	

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

# Priority Actions Request

Structure Number 700015

1/4" REMAINING IN THE BOTTOM FLANGE. WITH A 2" DIAMETER AREA WITH 100% SECTION LOSS AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

3314	Beam 11	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	3	Span 1 Beam 11: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 6" IN THE WEB, WITH 6" X UP TO 3" HOLE IN THE BOTTOM FLANGE, WITH 3/8" REMAINING IN THE WEB, WITH 5/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

## Span2

3314	Beam 1	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 2 Beam 1: RIGHT WEB AND BOTTOM FLANGE OVER BENT 1. HAS A 10" x 3" AREA OF 100% SECTION LOSS. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
2	Corrosion	2	Span 2 Beam 1: SPAN 2 BEAM 1 OVER END BENT 1. WEB AND FLANGES HAVE AREAS OF SECTION LOSS WITH 1/8" REMAINING IN BOTTOM FLANGE AND 3/16" REMAINING IN WEB. AREA IS: FROM END OF BEAM OUT 18" x FULL WIDTH OF FLANGE AND FROM END OF BEAM OUT 12" x FULL HEIGHT OF WEB. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.	

3314	Beam 5	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 2 Beam 5: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

3314	Beam 6	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	3	Span 2 Beam 6: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS A 1" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

3314	Beam 7	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	1	Span 2 Beam 7: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

3314 Beam 8 Plate Girder

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



# Priority Actions Request

Structure Number 700015

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 8: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS (3) 1" DIAMETER HOLES. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

3314 Beam 9 Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 9: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

3314 Beam 11 Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 11: 3' OF RUST SCALE IN TOP FLANGE WITH 5/16" REMAINING. BOTTOM FLANGE HAS A 12" x 3" AREA OF 100% SECTION LOSS. WEB HAS A 1 1/2" DIAMETER HOLE. THESE AREAS ARE OVER BENT 1. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.
2	Corrosion	1	Span 2 Beam 11: SPAN 2 BEAM 11 RIGHT WEB AND BOTTOM FLANGE OVER END BENT 2. WEB HAS A 5" x 3" AREA OF 100% SECTION LOSS. BOTTOM FLANGE HAS A 7" x 3" AREA OF SECTION LOSS WITH 1/4" REMAINING. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.
2	Corrosion	1	Span 2 Beam 11: BEAM 11 LEFT BOTTOM FLANGE AT CRUTCH BENT. HAS A AREA OF SECTION LOSS WITH 1/4" REMAINING. AREA IS: 3" WIDE x 10" LONG. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

## Bent 1

3354 Cap 1 Steel Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Crutch Bent 1 Cap 1: BEARING STIFFNER UNDER BEAM 5. HAS A 7" x 2" AREA OF SECTION LOSS DOWN TO A KNIFE EDGE REMAINING. WITH A 1/2" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

## Element Condition and Maintenance Data

Structure Number: 700015

Inspection Date: 09/22/2020

Span 1	Deck	
Reinforced Concrete Deck		

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	523	196	305	22	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	1' X 2" X 1" SPALL, DECK UNDERSIDE, LEFT OVERHANG, AT BENT 1.	3	1	1 Square Feet
12	Delamination/Spall	21' X 2" X 1" SPALL, DECK UNDERSIDE, RIGHT OVERHANG, AT BENT 1.	3	21	21 Square Feet
12	Cracking (RC and Other)	along underside of deck, multiple transverse cracks [up to 8ft x 0.02in]	2	300	300 Square Feet
12	Patched Areas	2.5' X 2' PATCHED AREA, DECK UNDERSIDE, BAY 4, AT BENT 1.	2	5	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	21	11	6	4	0 Feet
515	Steel Protective Coating	72	18	46	8	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, WITH 3/8" REMAINING IN THE BOTTOM FLANGE, WITH 3' X 7" WEB PLATE AND 2' X 3" REPAIR ANGLE ON WEST FACE, AT END BENT 1.	3	1	1 Feet
107	Corrosion	3' OF RUST SCALE, TOP AND BOTTOM FLANGE, AT BENT 1.	3	3	3 Feet
107	Corrosion	2' OF FRECKLED RUST, TOP AND BOTTOM FLANGE AND WEB, WEST FACE, AT END BENT 1.	2	2	Feet
107	Corrosion	at near and far ends, surface corrosion [up to full height x full width]	2	4	Feet
515	Effectiveness (Steel Protective Coatings)	8 SF OF FAILED COATING.	3	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	16	16 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	30	30 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	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet

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515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15	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	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 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	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6" OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB DOWN TO A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet
General Comments					

**Span 1** **Beam 5**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	19	0	2	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 700015

Inspection Date: 09/22/2020

107	Corrosion	18" OF RUST SCALE, BOTTOM FLANGE, UP TO 4" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	2	2 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 1** **Beam 6**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	19	1	1	0 Feet
515	Steel Protective Coating	72	57	15	0	0 Square Feet
515	Steel Protective Coating	72	70	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
107	Distortion	West bottom flange near Mid-Span, distortion [6in x 1/4in]	2	1	Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATING.	3	2	2 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 1** **Beam 7**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	19	0	2	0 Feet
515	Steel Protective Coating	72	55	15	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	2	2 Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATING.	3	2	2 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 1** **Beam 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	21	19	0	2	0	Feet
515	Steel Protective Coating	72	55	15	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE. WITH A 2" DIAMETER AREA WITH 100% SECTION LOSS AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	2	2	Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATING.	3	2	2	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15	Square Feet

General Comments

**Span 1** **Beam 9**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	21	20	0	1	0	Feet
515	Steel Protective Coating	72	56	15	1	0	Square Feet
515	Steel Protective Coating	72	72	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, AT BENT 1.	3	1	1	Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15	Square Feet

General Comments

**Span 1** **Beam 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	21	12	8	1	0	Feet
515	Steel Protective Coating	72	40	15	1	16	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, AT BENT 1.	3	1	1	Feet
107	Corrosion	BEAM 10 TOP FLANGE. HAS SCATTERED AREAS OF RUST AND FLAKING WITH NO MEASURABLE SECTION LOSS.	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	4	16	16	Square Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15	Square Feet

## General Comments

## Span 1 Beam 11

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	13	4	1	3 Feet
515	Steel Protective Coating	72	25	42	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 6" IN THE WEB, WITH 6" X UP TO 3" HOLE IN THE BOTTOM FLANGE, WITH 3/8" REMAINING IN THE WEB, WITH 5/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	4	3	3 Feet
107	Corrosion	6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, AT END BENT 1.	3	1	1 Feet
107	Corrosion	at near and far ends, surface corrosion [up to full height x full width]	2	4	Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FAILED COATING.	3	5	5 Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	12	12 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	30	30 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	496	447	24	25	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	at End Bent 1, transverse crack [full width x 1/8in]	3	25	25 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse cracks [full width x up to 0.02in]	2	24	24 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	21	14	5	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	5" X 1/16" DIAGONAL CRACK, TOP FACE OF BOTTOM RAIL, 1' FROM END BENT 1.	3	1	1 Feet
331	Delamination/Spall	at base of rail post 2, spall [8in x 2in x 3/4in deep] with exposed rusted reinforcing no section loss noted	3	1	1 Feet
331	Cracking (RC and Other)	NORTH FACE OF POST 1 HAS A 1/16" WIDE x 8" HIGH VERTICAL CRACK.	2	1	Feet
331	Cracking (RC and Other)	top face of curb at End Bent 1, transverse crack [8in x 0.02in]	2	1	Feet

331	Delamination/Spall	4" X UP TO 4" X 1/2" SPALL, SOUTHEAST CORNER OF BOTTOM RAIL, AT END BENT 1.	2	1	1	Feet
331	Delamination/Spall	at top of rail post 2 and 3, delamination [7in x 3in]	2	2	2	Feet

## General Comments

## Span 1 Right Bridge Rail

## Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	21	8	11	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	8" X 1/16" TRANSVERSE CRACK, TOP FACE OF BOTTOM RAIL, NEAR MID SPAN.	3	1	1 Feet
331	Delamination/Spall	top of curb at End Bent 1, spall [8in x 6in x 3/4in]	3	1	1 Feet
331	Cracking (RC and Other)	RIGHT RAIL HAS SCATTERED HAIRLINE, MAP AND TRANSVERSE CRACKS	2	10	Feet
331	Cracking (RC and Other)	top face of curb at End Bent 1, diagonal crack [8in x 0.02in]	2	1	Feet

## General Comments

## Span 1 Span 1 Beam 1 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	RUST SCALE, BEARING ASSEMBLY.	3		Each
311	Corrosion	surface corrosion with section loss [1/16in]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion and section loss	4	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3		Square Feet

## General Comments

## Span 1 Span 1 Beam 1 Far Bearing

## Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Connection	at West side anchor bolt nut is missing	3		Each
313	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
313	Corrosion	surface corrosion with no section loss noted	2		Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2		Square Feet

## General Comments

**Span 1** **Span 1 Beam 2 Far Bearing**  
**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

**Span 1** **Span 1 Beam 3 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	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

**Span 1** **Span 1 Beam 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	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

**Span 1** **Span 1 Beam 5 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	
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313	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

**Span 1 Span 1 Beam 6 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	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

**Span 1 Span 1 Beam 7 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	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

**Span 1 Span 1 Beam 8 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	surface corrosion with no section loss noted	2		Each
313	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3		Square Feet

General Comments

**Span 1** **Span 1 Beam 9 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	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

**Span 1** **Span 1 Beam 10 Far Bearing**  
**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Each
313	Corrosion	surface corrosion with no section loss noted	2			Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3			Square Feet

General Comments

**Span 1** **Span 1 Beam 11 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	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	surface corrosion in bearing plate with a 1/16" section loss anchor bolt nut on left and right side.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion and section loss	2	1	1	Square Feet

General Comments  
 \*\*\*\*copy beam 1

**Span 1** **Span 1 Beam 11 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	
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313	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

### Span 1 Span 1 Beam 1 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2		Square Feet

General Comments

### Span 1 Span 1 Beam 2 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

### Span 1 Span 1 Beam 3 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

## Span 1 Span 1 Beam 4 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet
General Comments						

## Span 1 Span 1 Beam 5 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet
General Comments						

## Span 1 Span 1 Beam 6 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet
General Comments						

## Span 1 Span 1 Beam 7 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 1 Span 1 Beam 8 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 1 Span 1 Beam 9 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 1 Span 1 Beam 10 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 1 Span 1 Beam 11 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3			Each
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2			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	526	494	3	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	(4) UP TO 3' X 1/8" CRACKS, RIGHT TRAVEL LANE, AT RANDOM THROUGHOUT.	3	12	12	Square Feet
12	Cracking (RC and Other)	2' X 1/16" CRACK, WITH EFFLORESCENCE, DECK UNDERSIDE, BAY 2, AT END BENT 2.	3	2	2	Square Feet
12	Delamination/Spall	10' X UP TO 2" X 1" SPALL, DECK UNDERSIDE, RIGHT OVERHANG, BEGINNING AT BENT 1.	3	10	10	Square Feet
12	Delamination/Spall	18" x 3" x 1" DEEP SPALL IN LEFT OVERHANG. LOCATED 4' FROM END BENT 2.	3	2	2	Square Feet
12	Delamination/Spall	3' X 2" X 1" SPALL, DECK UNDERSIDE, LEFT OVERHANG, AT BENT 1.	3	3	3	Square Feet
12	Delamination/Spall	1" DIAMETER X 1/2" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 7, ADJACENT TO BEAM 8, NEAR MID-SPAN.	2	1	1	Square Feet
12	Delamination/Spall	3" DIAMETER X 1" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 1, 2' FROM BENT 1.	2	1	1	Square Feet
12	Delamination/Spall	4" DIAMETER X 1" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 1, 3' FROM END BENT 2.	2	1	1	Square Feet

## General Comments

## Span 2 Beam 1

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	21	12	4	4	1	Feet
515	Steel Protective Coating	72	29	38	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RIGHT WEB AND BOTTOM FLANGE OVER BENT 1. HAS A 10" x 3" AREA OF 100% SECTION LOSS. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	4	1	1	Feet
107	Connection	West side at near end, anchor bolt nut is missing	3	1	1	Feet
107	Corrosion	1' OF RUST SCALE, TOP FLANGE AND WEB OVER BENT 1.	3	1	1	Feet
107	Corrosion	SPAN 2 BEAM 1 OVER END BENT 1. WEB AND FLANGES HAVE AREAS OF SECTION LOSS WITH 1/8" REMAINING IN BOTTOM FLANGE AND 3/16" REMAINING IN WEB. AREA IS: FROM END OF BEAM OUT 18" x FULL WIDTH OF FLANGE AND FROM END OF BEAM OUT 12" x FULL HEIGHT OF WEB. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.	3	2	2	Feet
107	Corrosion	at near and far ends, surface corrosion [2ft x up to full height x full width]	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FAILED COATING.	3	5	5	Square Feet

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515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	8	8	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	30	30	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	21	21	0	0	0 Feet
515	Steel Protective Coating	72	57	15	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 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	21	21	0	0	0 Feet
515	Steel Protective Coating	72	57	15	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 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	21	21	0	0	0 Feet
515	Steel Protective Coating	72	57	15	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	Square Feet
General Comments					

## Span 2

## Beam 5

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	20	0	1	0 Feet
515	Steel Protective Coating	72	55	15	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATING.	3	2	2 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

## Span 2

## Beam 6

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	18	0	3	0 Feet
515	Steel Protective Coating	72	52	15	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS A 1" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	3	3 Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FAILED COATING.	3	5	5 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

## Span 2

## Beam 7

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments



**Span 2** **Beam 8**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS (3) 1" DIAMETER HOLES. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 2** **Beam 9**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	20	0	1	0 Feet
515	Steel Protective Coating	72	56	15	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	1 SF OF FAILED COATING.	3	1	1 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 2** **Beam 10**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	14	0	7	0 Feet
515	Steel Protective Coating	72	52	15	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	2' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, AT BENT 1.	3	2	2 Feet
107	Corrosion	5' OF RUST SCALE, TOP FLANGE, NEAR MID-SPAN.	3	5	5 Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FAILED COATING.	3	5	5 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	15	15 Square Feet

General Comments

**Span 2** **Beam 11**  
**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	21	16	0	1	4 Feet
515	Steel Protective Coating	72	32	30	10	0 Square Feet
515	Steel Protective Coating	72	72	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3' OF RUST SCALE IN TOP FLANGE WITH 5/16" REMAINING. BOTTOM FLANGE HAS A 12" x 3" AREA OF 100% SECTION LOSS. WEB HAS A 1 1/2" DIAMETER HOLE. THESE AREAS ARE OVER BENT 1. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.	4	3	3 Feet
107	Corrosion	SPAN 2 BEAM 11 RIGHT WEB AND BOTTOM FLANGE OVER END BENT 2. WEB HAS A 5" x 3" AREA OF 100% SECTION LOSS. BOTTOM FLANGE HAS A 7" x 3" AREA OF SECTION LOSS WITH 1/4" REMAINING. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	4	1	1 Feet
107	Corrosion	BEAM 11 LEFT BOTTOM FLANGE AT CRUTCH BENT. HAS A AREA OF SECTION LOSS WITH 1/4" REMAINING. AREA IS: 3" WIDE x 10" LONG. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.	3	10	10 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	along length of beam, bubbling paint in surface coat only	2	30	30 Square Feet

General Comments

**Span 2** **Wearing Surface**  
**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	498	412	36	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	at bent 1 and End Bent 2, transverse crack [full width x 1/8in]	3	50	50 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse cracks [full width x up to 0.02in]	2	36	36 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	21	15	2	4	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	8" X 1/16" TRANSVERSE CRACK, TOP FACE OF BOTTOM RAIL, NEAR MID SPAN.	3	1	1 Feet
331	Delamination/Spall	LEFT RAIL NORTHEAST CORNER OF CURB. HAS A 10" x 8" x 1/2" DEEP SPALL.	3	1	1 Feet

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331	Delamination/Spall	LEFT RAIL POST 1 EAST FACE NEAR BOTTOM. HAS A 10" x 4" x 1/4" DEEP SPALL.	3	1	1	Feet
331	Efflorescence/Rust Staining	4" X 1/16" VERTICAL CRACK, WITH EFFLORESCENCE, EAST FACE OF TOP RAIL, 7' FROM BENT 1.	3	1	1	Feet
331	Cracking (RC and Other)	top face of curb at bent 1, diagonal crack [14in x 0.02in]	2	2		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	21	19	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Delamination/Spall	at base of rail post 1, spall [2in x 2in x 1/2in deep] with exposed rusted reinforcing no section loss noted	2	1	1 Feet
331	Delamination/Spall	RIGHT RAIL TOP OF END POST AT NORTH END. HAS (2) SPALLED AREAS. AREAS ARE: 2" x 1" x 1/4" DEEP AND 3" x 2" x 1/4" DEEP.	2	1	1 Feet

General Comments

### Span 2 Span 2 Beam 1 Near Bearing

#### Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Connection	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

### Span 2 Span 2 Beam 1 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	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

## Span 2 Span 2 Beam 2 Near Bearing

## Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

## Span 2 Span 2 Beam 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

## Span 2 Span 2 Beam 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

General Comments

## Span 2 Span 2 Beam 5 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 6 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 7 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 8 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 9 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	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

## Span 2

## Span 2 Beam 10 Near Bearing

## Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

## Span 2

## Span 2 Beam 11 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	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	3	1	1 Square Feet

General Comments

## Span 2

## Span 2 Beam 11 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	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

**Span 2** **Span 2 Beam 1 Intermediate Bearing**  
**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

General Comments

**Span 2** **Span 2 Beam 2 Intermediate Bearing**  
**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

General Comments

**Span 2** **Span 2 Beam 3 Intermediate Bearing**  
**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

General Comments

**Span 2** **Span 2 Beam 4 Intermediate Bearing**  
**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 5 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 6 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 7 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	surface corrosion with no section loss noted	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

## General Comments

## Span 2 Span 2 Beam 8 Intermediate Bearing

## Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

### Span 2 Span 2 Beam 9 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	surface corrosion with no section loss noted	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square Feet

General Comments

### Span 2 Span 2 Beam 10 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
316	Corrosion	surface corrosion with no section loss noted	2		Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2		Square Feet

General Comments

### Span 2 Span 2 Beam 11 Intermediate Bearing

#### Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
316	Corrosion	surface corrosion with no section loss noted	2		Each
515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	3		Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1 Square 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	33	23	2	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	(8) UP TO 16" X 1/16" VERTICAL CRACKS, NORTH FACE, AT RANDOM THROUGHOUT.	3	8	8 Feet
234	Cracking (RC and Other)	at bay 9, (2) vertical cracks [1ft x 0.02in]	2	2	Feet

General Comments

## End Bent 1 Pile 2

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	UP TO 2' X 1/8" X 1/2" CHECKS, AT RANDOM THROUGHOUT.	2	1	1 Each

General Comments

## End Bent 1 Pile 3

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	along height of pile, checks [1/16in x 1/8in deep]	2	1	Each

General Comments

## End Bent 1 Pile 5

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	END BENT 1 PILE 5 NORTH FACE. HAS A 12" x 10" x 1" DEEP AREA OF HEAVY DECAY AT GROUND LINE.	3		1 Each
228	Check/Shake	along height of pile, checks [1/16in x 1/8in deep]	2	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	34	33	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	2" DIAMETER X 3/4" SPALL, WITH EXPOSED REINFORCING, NORTH FACE OF CAP, 3' EAST OF PILE 3.	2	1	1 Feet

General Comments

## Bent 1 Pile 1

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	along height of pile, checks [1/16in x 1/8in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16"	2		Each

General Comments

## Bent 1 Pile 2

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	along height of pile, checks [1/16in x 1/4in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16"	2		Each

General Comments

## Bent 1 Pile 3

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	along height of pile, checks [1/8in x 1/4in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16"	2		Each

General Comments

## Bent 1 Pile 4

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16"	2			Each
228	Decay/Section Loss	Northwest quadrant at top of collar, decay [7in x 4in x 3/4in]	2	1		Each

## General Comments

West face of concrete collar, vertical crack [2ft x 1/16in]

## Bent 1 Pile 5

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	at Southeast quadrant from cap down 3ft, decay [3ft x 7in x up to 9in deep] crutch bent installed at both sides of bent 1	3	1	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16"	2			Each
228	Check/Shake	UP TO 12" X 1/8" X 1/2" CHECKS, AT RANDOM THROUGHOUT.	2			Each

## General Comments

## End Bent 2 Abutment

## Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	29	17	12	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Scour	U/W 9/23/19 3" VERTICAL EXPOSURE BELOW BOTTOM BOARD X 4" PROBE INTO FILL MATERIAL( GRAVEL) FROM P-3 TO P-5.	2	12		Feet

## General Comments

Northwest retaining pile from top down 5ft, decay/section loss [5ft x 8in x up to 10in deep]

## 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	33	18	6	9	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	(9) UP TO 18" X 1/16" VERTICAL CRACKS, SOUTH FACE, AT RANDOM THROUGHOUT.	3	9	9	Feet
234	Cracking (RC and Other)	along length of cap, multiple vertical cracks [1ft x 0.02in]	2	6		Feet

## General Comments

**End Bent 2 Pile 1**  
**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	at exposed pile below concrete collar, checks [1/16in x 1/16in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2		Each

General Comments  
 CONCRETE COLLAR IN PLACE

**End Bent 2 Pile 2**  
**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	at exposed pile below concrete collar, checks [3/8in x 3/4in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2		Each

General Comments  
 CONCRETE COLLAR IN PLACE

**End Bent 2 Pile 3**  
**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	at exposed pile below concrete collar, checks [1/16in x 1/16in deep]	2	1	Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2		Each

General Comments  
 CONCRETE COLLAR IN PLACE

**End Bent 2 Pile 4**  
**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2	1	Each

General Comments  
 pile not exposed due to concrete encasement

## End Bent 2 Pile 5

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	at exposed pile below concrete collar, checks [3/8in x 3/4in deep]	2	1		Each
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2			Each

## General Comments

SHARES A CONCRETE COLLAR WITH P-6

## End Bent 2 Pile 6

## Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	U/W 9/23/19 CHECKS TO 1/16", SURFACE SOT TO 1/8" AT EXPOSED SECTION	2	1		Each

## General Comments

SHARES A CONCRETE COLLAR WITH P-5

## Crutch Bent 1 Span 1 Cap 1

## Steel Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	34	11	22	1	0	Feet
515	Steel Protective Coating	194	134	45	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
231	Corrosion	BEARING STIFFNER UNDER BEAM 5. HAS A 7" x 2" AREA OF SECTION LOSS DOWN TO A KNIFE EDGE REMAINING. WITH A 1/2" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	3	1	1	Feet
231	Corrosion	7" X 2" AREA OF RUST SCALE, WITH 1" X 1" HOLE, SOUTH BEARING STIFFENER, 4' WEST OF PILE 2. / THIS AREA HAS BEEN REPAIRED	2	1		Feet
231	Corrosion	7" X 3" AREA OF RUST SCALE, WITH 2" DIAMETER HOLE, NORTH BEARING STIFFENER, ABOVE PILE 1. / THIS AREA HAS BEEN REPAIRED	2	1		Feet
231	Corrosion	along length of cap, random areas of surface corrosion with no section loss	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.	3	15	15	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	45	45	Square Feet

## General Comments

**Crutch Bent 1 Span 1 Pile 1**  
**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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4			Square Feet

General Comments

**Crutch Bent 1 Span 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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4			Square Feet

General Comments

**Crutch Bent 1 Span 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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4			Square Feet

General Comments

**Crutch Bent 1 Span 1 Pile 4**  
**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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W 9/23/19 PITTING TO 1/16" ON FLANGE EDGE	3	1	1	Each

225	Corrosion	U/W 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4	Square Feet
General Comments				

## Crutch Bent 1 Span 2

## Cap 1

## Steel Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	34	10	21	2	1	Feet
515	Steel Protective Coating	194	139	40	15	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
231	Corrosion	7" X 12" AREA OF RUST SCALE, WITH 3" X 2" HOLE, SOUTH BEARING STIFFENER, BAY 3, 2' FROM PILE 4. (PRIORITY MAINTENANCE) / AREA NOT FOUND	4	1	1	1	Feet
231	Damage	1" DIAMETER HOLE, BOTTOM FLANGE, 1' WEST OF PILE 2.	3	1	1	1	Feet
231	Damage	1" DIAMETER HOLE, BOTTOM FLANGE, EAST END OF CAP.	3	1	1	1	Feet
231	Corrosion	7" X 3" AREA OF RUST SCALE, WITH 3" X 2" HOLE, SOUTH BEARING STIFFENER, ABOVE PILE 4. / THIS AREA HAS BEEN REPAIRED	2	1			Feet
231	Corrosion	along length of cap, random areas of surface corrosion with no section loss	2	20			Feet
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.	3	15		15	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	40		40	Square Feet
General Comments							

## Crutch Bent 1 Span 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	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
225	Corrosion	UNDERWATER 9/23/19 PITTING TO 1/16" ON THE NORTH FLANGE NEAR C/L IN A 1" DIAMETER AREA AND RANDOM AREAS OF FLANGE EDGE.	3	1	1	1	Each
225	Corrosion	U/W/ 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2				Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4				Square Feet
General Comments							



## Crutch Bent 1 Span 2

## 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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W/ 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4			Square Feet

General Comments

## Crutch Bent 1 Span 2

## Pile 3

## 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	125	122	1	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W 9/23/19 PITTING TO 1/16" ON FLANGE EDGE	3	1	1	Each
225	Corrosion	at flange edges near water line, surface corrosion with no section loss	2			Each
225	Corrosion	U/W 9/23/19 CORROSION IN AREAS OF FAILED COATING	2			Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	2	1	1	Square Feet

General Comments

## Crutch Bent 1 Span 2

## 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	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	U/W/ 9/23/19 SURFACE RUST IN AREAS OF FAILED COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	U/W 9/23/19 COATING FAILED IN AREAS OF CORROSION	4			Square Feet

General Comments

## Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	523
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	21
Span 1	Beam 11	Plate Girder	Steel Open Girder/Beam	21
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	21
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	21
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	496
Span 1	Span 1 Beam 1 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 1 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 1 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 2 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 2 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 2 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 3 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 3 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 3 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 4 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 4 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 4 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 5 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 5 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 5 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 6 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 6 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 6 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 7 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 7 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 7 Near Bearing	Movable Bearing	Movable Bearing	1

## Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Span 1 Beam 8 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 8 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 8 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 9 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 9 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 9 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 10 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 10 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 10 Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Span 1 Beam 11 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Span 1 Beam 11 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 1	Span 1 Beam 11 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	526
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	21
Span 2	Beam 11	Plate Girder	Steel Open Girder/Beam	21
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	21
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	21
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	498
Span 2	Span 2 Beam 1 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 1 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 1 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 2 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 2 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 2 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 3 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 3 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 3 Near Bearing	Movable Bearing	Movable Bearing	1

## Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Span 2 Beam 4 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 4 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 4 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 5 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 5 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 5 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 6 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 6 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 6 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 7 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 7 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 7 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 8 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 8 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 8 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 9 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 9 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 9 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 10 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 10 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 10 Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Span 2 Beam 11 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Span 2 Beam 11 Intermediate Bearing	Other Bearing	Other Bearings	1
Span 2	Span 2 Beam 11 Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	34
Bent 1	Pile 1	Timber Pile	Timber Pile	1
Bent 1	Pile 2	Timber Pile	Timber Pile	1
Bent 1	Pile 3	Timber Pile	Timber Pile	1
Bent 1	Pile 4	Timber Pile	Timber Pile	1
Bent 1	Pile 5	Timber Pile	Timber Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
End Bent 1	Pile 1	Timber Pile	Timber Pile	1
End Bent 1	Pile 2	Timber Pile	Timber Pile	1
End Bent 1	Pile 3	Timber Pile	Timber Pile	1
End Bent 1	Pile 4	Timber Pile	Timber Pile	1

## Elements Verified

Location	Name	Component	Element Name	Amount
End Bent 1	Pile 5	Timber Pile	Timber Pile	1
End Bent 1	Pile 6	Timber Pile	Timber Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	29
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
End Bent 2	Pile 1	Timber Pile	Timber Pile	1
End Bent 2	Pile 2	Timber Pile	Timber Pile	1
End Bent 2	Pile 3	Timber Pile	Timber Pile	1
End Bent 2	Pile 4	Timber Pile	Timber Pile	1
End Bent 2	Pile 5	Timber Pile	Timber Pile	1
End Bent 2	Pile 6	Timber Pile	Timber Pile	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	29
Crutch Bent 1 Span 1	Cap 1	Steel Pier Cap	Steel Pier Cap	34
Crutch Bent 1 Span 1	Pile 1	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 1	Pile 2	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 1	Pile 3	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 1	Pile 4	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 2	Cap 1	Steel Pier Cap	Steel Pier Cap	34
Crutch Bent 1 Span 2	Pile 1	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 2	Pile 2	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 2	Pile 3	Steel Pile	Steel Pile	1
Crutch Bent 1 Span 2	Pile 4	Steel Pile	Steel Pile	1

# General Inspection Notes

Bent 1

Abutment

base of retaining pile at Southwest corner, decay/section loss [12in x 12in x 2in deep]

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Bent 1

Pile 1

pile not exposed due to concrete encasement

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Bent 1

Pile 4

pile not exposed due to concrete encasement

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# National Bridge and NC Inspection Items

Structure Number: 700015

Inspection Date: 09/22/2020

## 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	6
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	5
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			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	F		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		P		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

Note: If NC SMU 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	8
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
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	

# National Bridge and NC SMU Inspection Item Details

Structure Number: 700015

Inspection Date: 09/22/2020

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Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
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Details PAR'S ISSUED ON SOME BEAMS AND SPAN 1 CRUTCH BENT CAP

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Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
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Details WADERS

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Item	Scour	Grade	F	Maint Code	Qty.	0
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Details BOTH BANKS HAVE SOME EROSION UP TO 5' HIGH





Span 1 Wearing Surface: at End Bent 1, transverse crack [full width x 1/8in]



Span 1 Wearing Surface: throughout span, multiple transverse cracks [full width x up to 0.02in]



Span 1 Left Bridge Rail: 4" X UP TO 4" X 1/2" SPALL, SOUTHEAST CORNER OF BOTTOM RAIL, AT END BENT 1.



Span 1 Left Bridge Rail: at top of rail post 2 and 3, delamination [7in x 3in]



Span 1 Left Bridge Rail: at base of rail post 2, spall [8in x 2in x 3/4in deep] with exposed rusted reinforcing no section loss noted



Span 1 Left Bridge Rail: NORTH FACE OF POST 1 HAS A 1/16" WIDE x 8" HIGH VERTICAL CRACK.



Span 1 Right Bridge Rail: top of curb at End Bent 1, spall [8in x 6in x 3/4in]



Span 1 Right Bridge Rail: top face of curb at End Bent 1, diagonal crack [8in x 0.02in]



Span 2 Wearing Surface: at bent 1 and End Bent 2, transverse crack [full width x 1/8in]



Span 2 Left Bridge Rail: top face of curb at bent 1, diagonal crack [14in x 0.02in]



Span 2 Left Bridge Rail: LEFT RAIL POST 1 EAST FACE NEAR BOTTOM. HAS A 10" x 4" x 1/4" DEEP SPALL.



Span 2 Left Bridge Rail: LEFT RAIL NORTHEAST CORNER OF CURB. HAS A 10" x 8" x 1/2" DEEP SPALL.



Span 2 Right Bridge Rail: at base of rail post 1, spall [2in x 2in x 1/2in deep] with exposed rusted reinforcing no section loss noted



Span 2 Right Bridge Rail: RIGHT RAIL TOP OF END POST AT NORTH END. HAS (2) SPALLED AREAS. AREAS ARE: 2" x 1" x 1/4" DEEP AND 3" x 2" x 1/4" DEEP.



End Bent 1 Cap 1: at bay 9, (2) vertical cracks [1ft x 0.02in]



End Bent 1 Cap 1: (8) UP TO 16" X 1/16" VERTICAL CRACKS, NORTH FACE, AT RANDOM THROUGHOUT.





End Bent 1 Pile 2: UP TO 2' X 1/8" X 1/2" CHECKS, AT RANDOM THROUGHOUT.



End Bent 1 Pile 5: END BENT 1 PILE 5 NORTH FACE. HAS A 12" x 10" x 1" DEEP AREA OF HEAVY DECAY AT GROUND LINE.



Span 1 Deck: along underside of deck, multiple transverse cracks [up to 8ft x 0.02in]



Span 1 Deck: 2.5' X 2' PATCHED AREA, DECK UNDERSIDE, BAY 4, AT BENT 1.



Span 1 Beam 11: at near and far ends, surface corrosion [up to full height x full width]



Span 1 Beam 11: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, AT END BENT 1.



Span 1 Beam 11 - Span 1 Beam 11 Far Bearing: SURFACE RUST, BEARING ASSEMBLY.



Span 1 Beam 11 - Span 1 Beam 11 Near Bearing: surface corrosion in bearing plate with a 1/16" section loss anchor bolt nut on left and right side.



Span 1 Beam 10: BEAM 10 TOP FLANGE. HAS SCATTERED AREAS OF RUST AND FLAKING WITH NO MEASURABLE SECTION LOSS.



Span 1 Beam 6: West bottom flange near Mid-Span, distortion [6in x 1/4in]



Span 1 Beam 1: 1' OF RUST SCALE, BOTTOM FLANGE, WITH 3/8" REMAINING IN THE BOTTOM FLANGE, WITH 3' X 7" WEB PLATE AND 2' X 3" REPAIR ANGLE ON WEST FACE, AT END BENT 1.



Span 1 Beam 1: at near and far ends, surface corrosion [up to full height x full width]



Span 1 Beam 1: 2' OF FRECKLED RUST, TOP AND BOTTOM FLANGE AND WEB, WEST FACE, AT END BENT 1.



Span 1 Beam 1 - Span 1 Beam 1 Far Bearing: at West side anchor bolt nut is missing



Span 1 Beam 1 - Span 1 Beam 1 Near Bearing: surface corrosion with section loss [1/16in]



Span 1 Crutch Bent 1 Cap 1: along length of cap, random areas of surface corrosion with no section loss





Span 1 Crutch Bent 1 Cap 1: 7" X 2" AREA OF RUST SCALE, WITH 1" X 1" HOLE, SOUTH BEARING STIFFENER, 4' WEST OF PILE 2. / THIS AREA HAS BEEN REPAIRED



Span 1 Crutch Bent 1 Cap 1: 7" X 3" AREA OF RUST SCALE, WITH 2" DIAMETER HOLE, NORTH BEARING STIFFENER, ABOVE PILE 1. / THIS AREA HAS BEEN REPAIRED



Span 1 Crutch Bent 1 Cap 1: BEARING STIFFNER UNDER BEAM 5. HAS A 7" x 2" AREA OF SECTION LOSS DOWN TO A KNIFE EDGE REMAINING. WITH A 1/2" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Deck: 1' X 2" X 1" SPALL, DECK UNDERSIDE, LEFT OVERHANG, AT BENT 1.



Span 1 Deck: 21' X 2" X 1" SPALL, DECK UNDERSIDE, RIGHT OVERHANG, AT BENT 1.



Span 1 Beam 2: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 3: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 4: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB DOWN TO A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 5: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 4" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 6: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 7: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 8: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE. WITH A 2" DIAMETER AREA WITH 100% SECTION LOSS AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 1 Beam 11: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 6" IN THE WEB, WITH 6" X UP TO 3" HOLE IN THE BOTTOM FLANGE, WITH 3/8" REMAINING IN THE WEB, WITH 5/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.





Bent 1 Cap 1: 2" DIAMETER X 3/4" SPALL, WITH EXPOSED REINFORCING, NORTH FACE OF CAP, 3' EAST OF PILE 3.



Bent 1 Pile 4: Northwest quadrant at top of collar, decay [7in x 4in x 3/4in]



Bent 1 Pile 5: at Southeast quadrant from cap down 3ft, decay [3ft x 7in x up to 9in deep] crutch bent installed at both sides of bent 1



Span 2 Crutch Bent 2 Cap 1: 7" X 3" AREA OF RUST SCALE, WITH 3" X 2" HOLE, SOUTH BEARING STIFFENER, ABOVE PILE 4. / THIS AREA HAS BEEN REPAIRED



Span 2 Crutch Bent 2 Cap 1: 1" DIAMETER HOLE, BOTTOM FLANGE, EAST END OF CAP.



Span 2 Crutch Bent 2 Cap 1: 1" DIAMETER HOLE, BOTTOM FLANGE, 1' WEST OF PILE 2.



Span 2 Deck: 1" DIAMETER X 1/2" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 7, ADJACENT TO BEAM 8, NEAR MID-SPAN.



Span 2 Deck: 4" DIAMETER X 1" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 1, 3' FROM END BENT 2.



Span 2 Deck: 10' X UP TO 2" X 1" SPALL, DECK UNDERSIDE, RIGHT OVERHANG, BEGINNING AT BENT 1.



Span 2 Deck: 3" DIAMETER X 1" SPALL, WITH EXPOSED REINFORCING, DECK UNDERSIDE, BAY 1, 2' FROM BENT 1.



Span 2 Deck: 3' X 2" X 1" SPALL, DECK UNDERSIDE, LEFT OVERHANG, AT BENT 1.



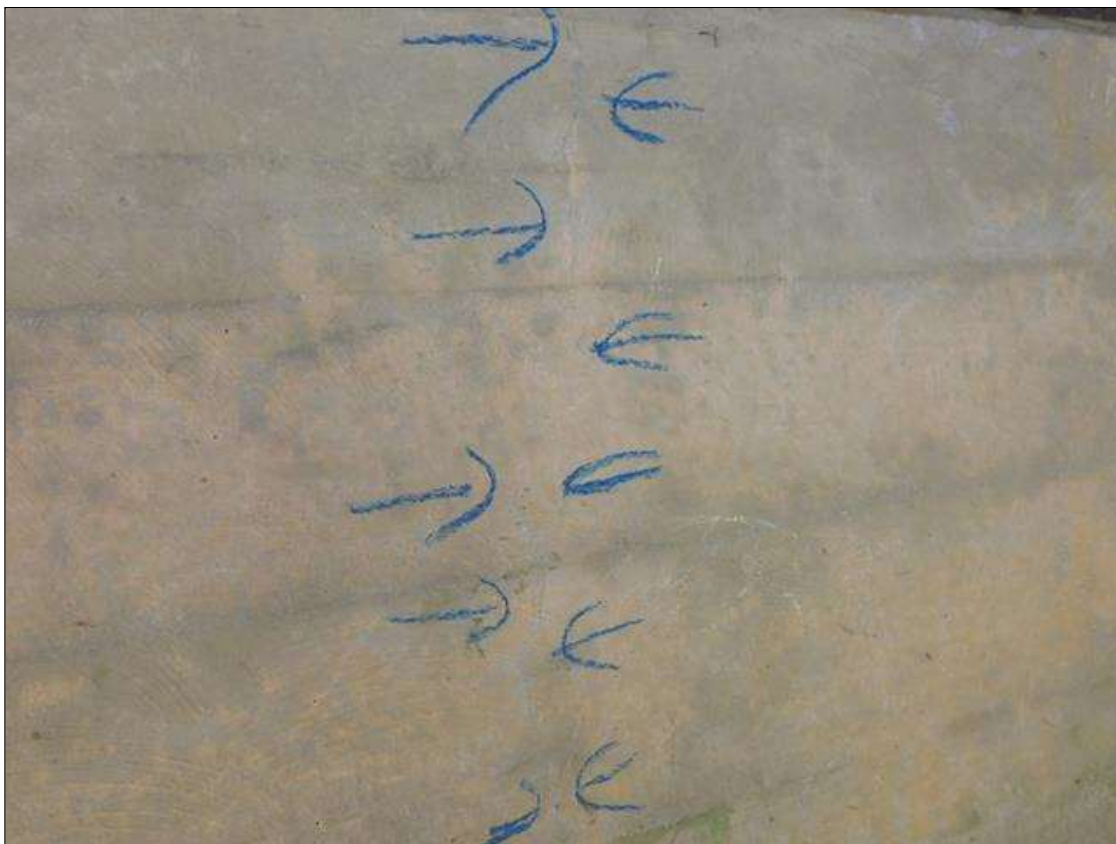
Span 2 Deck: 2' X 1/16" CRACK, WITH EFFLORESCENCE, DECK UNDERSIDE, BAY 2, AT END BENT 2.



Span 2 Deck: 18" x 3" x 1" DEEP SPALL IN LEFT OVERHANG. LOCATED 4' FROM END BENT 2.



End Bent 2 Cap 1: along length of cap, multiple vertical cracks [1ft x 0.02in]



End Bent 2 Cap 1: (9) UP TO 18" X 1/16" VERTICAL CRACKS, SOUTH FACE, AT RANDOM THROUGHOUT.



End Bent 2 Pile 5: at exposed pile below concrete collar, checks [3/8in x 3/4in deep]





Span 2 Beam 1: SPAN 2 BEAM 1 OVER END BENT 1. WEB AND FLANGES HAVE AREAS OF SECTION LOSS WITH 1/8" REMAINING IN BOTTOM FLANGE AND 3/16" REMAINING IN WEB. AREA IS: FROM END OF BEAM OUT 18" x FULL WIDTH OF FLANGE AND FROM END OF BEAM OUT 12" x FULL HEIGHT OF WEB. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.



Span 2 Beam 1: RIGHT WEB AND BOTTOM FLANGE OVER BENT 1. HAS A 10" x 3" AREA OF 100% SECTION LOSS. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 1: at near and far ends, surface corrosion [2ft x up to full height x full width]



Span 2 Beam 1: West side at near end, anchor bolt nut is missing



Span 2 Beam 1 - Span 2 Beam 1 Far Bearing: surface corrosion with no section loss noted



Span 2 Beam 3 - Protective System: along length of beam, bubbling paint in surface coat only



Span 2 Beam 5: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 6: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS A 1" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 7: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 8: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS (3) 1" DIAMETER HOLES. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 9: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 10: 5' OF RUST SCALE, TOP FLANGE, NEAR MID-SPAN.





Span 2 Beam 11: SPAN 2 BEAM 11 RIGHT WEB AND BOTTOM FLANGE OVER END BENT 2. WEB HAS A 5" x 3" AREA OF 100% SECTION LOSS. BOTTOM FLANGE HAS A 7" x 3" AREA OF SECTION LOSS WITH 1/4" REMAINING. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.



Span 2 Beam 11: 3' OF RUST SCALE IN TOP FLANGE WITH 5/16" REMAINING. BOTTOM FLANGE HAS A 12" x 3" AREA OF 100% SECTION LOSS. WEB HAS A 1 1/2" DIAMETER HOLE. THESE AREAS ARE OVER BENT 1. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.



Span 2 Beam 11: BEAM 11 LEFT BOTTOM FLANGE AT CRUTCH BENT. HAS A AREA OF SECTION LOSS WITH 1/4" REMAINING. AREA IS: 3" WIDE x 10" LONG. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.

# Stream Bed Soundings

(Profile diagram on following sheet)

County PENDER

Structure Number: 700015

Inspection Date 09/21/2020

Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance 3.9

Location of Highwater Mark DRIFT ON CAP

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.300	0.000	FILL FACE
0.250	2.300	0.000	FACE OF BACKWALL
1.560	3.900	0.000	TOP OF CAP
2.000	8.600	6.700	END BENT 1
8.000	9.900	0.000	WSWE
11.000	11.000	0.000	
14.000	12.100	0.000	STREAMBED
18.000	13.200	11.000	SPAN 1 CRUTCH BENT
20.300	13.800	11.500	BENT 1
23.000	14.500	2.100	SPAN 2 CRUTCH BENT
30.000	14.400	0.000	STREAMBED
38.900	9.900	0.000	WSWE
38.900	11.600	12.300	END BENT 2
40.300	3.900	0.000	TOP OF CAP
40.600	2.300	0.000	FILL FACE

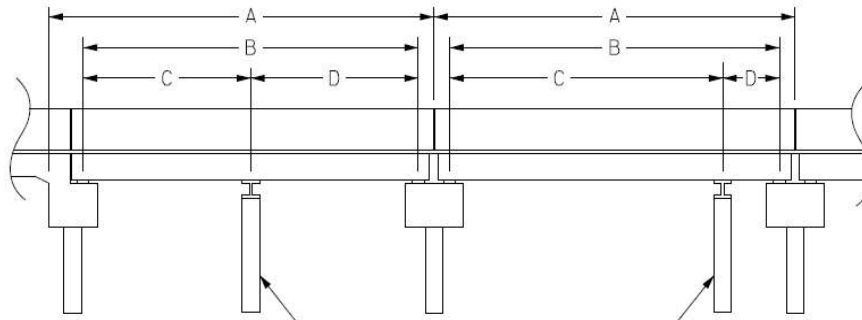


# Structure Data Worksheet

## Span Profile

County: PENDER

Structure Number: 700015



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	20.583	19.360			
			1	2.250	16.330
2	20.670	19.340			
			1	2.670	17.040



LOOKING NORTH



FROM BRIDGE LOOKING NORTH



FROM BRIDGE LOOKING SOUTH



FROM BRIDGE LOOKING WEST DOWNSTREAM





FROM BRIDGE LOOKING EAST UPSTREAM



WEST PROFILE



EAST PROFILE



LOOKING WEST



END BENT 1



BENT 1



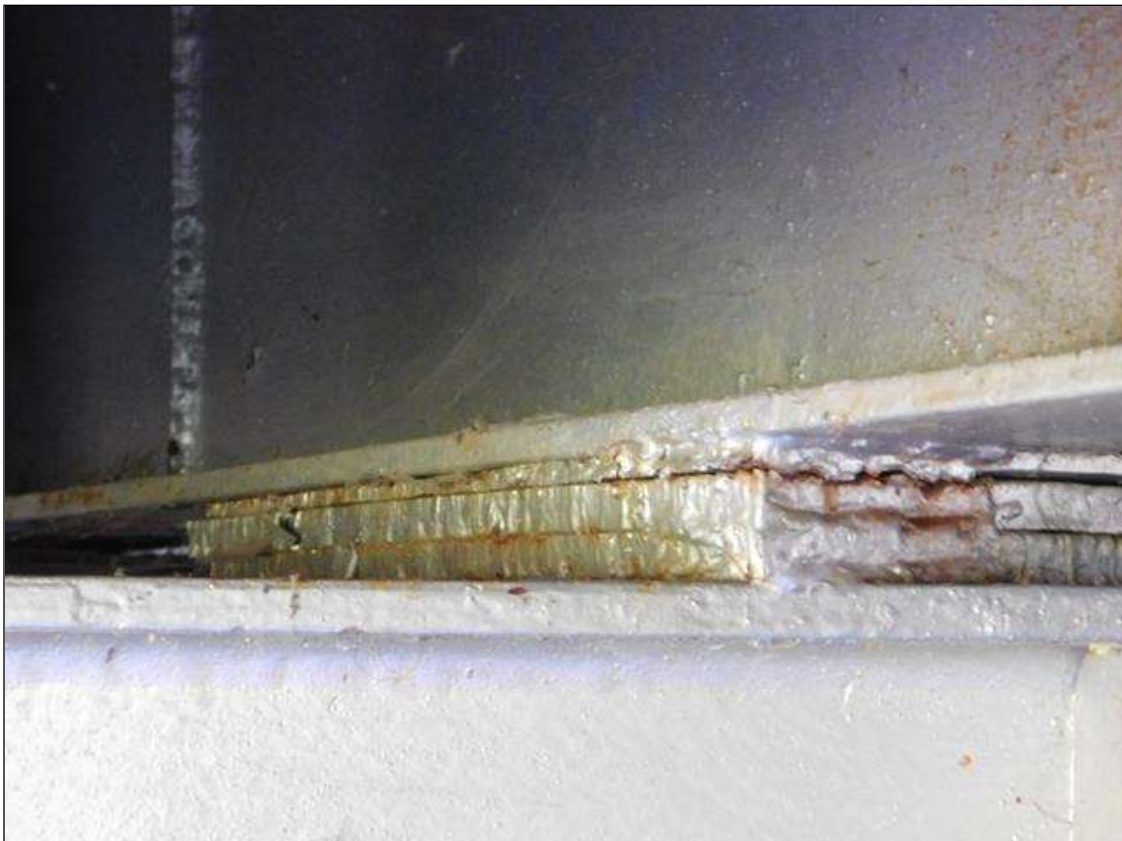
END OF BENT 1 AND CRUTCH BENT CAPS



END BENT 2



SUPER STRUCTURE



TYPICAL BEARING OVER CRUTCH BENTS



TYPICAL BEARING OVER CONCRETE CAPS



BOAT AND LADDER USED FOR INSPECTION

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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 2: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 3: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 4: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB DOWN TO A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 5: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 4" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 6: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 7: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 8: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE. WITH A 2" DIAMETER AREA WITH 100% SECTION LOSS AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

**Key**

Priority Maintenance Item

Critical Finding Item

Priority Maintenance Level Not Determined







# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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 1 Beam 11: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 6" IN THE WEB, WITH 6" X UP TO 3" HOLE IN THE BOTTOM FLANGE, WITH 3/8" REMAINING IN THE WEB, WITH 5/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: RIGHT WEB AND BOTTOM FLANGE OVER BENT 1. HAS A 10" x 3" AREA OF 100% SECTION LOSS. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 5: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 6: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS A 1" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: SPAN 2 BEAM 1 OVER END BENT 1. WEB AND FLANGES HAVE AREAS OF SECTION LOSS WITH 1/8" REMAINING IN BOTTOM FLANGE AND 3/16" REMAINING IN WEB. AREA IS: FROM END OF BEAM OUT 18" x FULL WIDTH OF FLANGE AND FROM END OF BEAM OUT 12" x FULL HEIGHT OF WEB. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 7: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

**Key**

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined









# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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 2 Beam 8: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS (3) 1" DIAMETER HOLES. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 9: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 11: SPAN 2 BEAM 11 RIGHT WEB AND BOTTOM FLANGE OVER END BENT 2. WEB HAS A 5" x 3" AREA OF 100% SECTION LOSS. BOTTOM FLANGE HAS A 7" x 3" AREA OF SECTION LOSS WITH 1/4" REMAINING. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 11: 3' OF RUST SCALE IN TOP FLANGE WITH 5/16" REMAINING. BOTTOM FLANGE HAS A 12" x 3" AREA OF 100% SECTION LOSS. WEB HAS A 1 1/2" DIAMETER HOLE. THESE AREAS ARE OVER BENT 1. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 11: BEAM 11 LEFT BOTTOM FLANGE AT CRUTCH BENT. HAS A AREA OF SECTION LOSS WITH 1/4" REMAINING. AREA IS: 3" WIDE x 10" LONG. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	
 3354	Maintain Steel Substructure Components	LF	1	Span 1 Crutch Bent 1 Cap 1: BEARING STIFFNER UNDER BEAM 5. HAS A 7" x 2" AREA OF SECTION LOSS DOWN TO A KNIFE EDGE REMAINING. WITH A 1/2" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.	

**Key**

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015                      County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 2: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 3: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 4: 6" OF RUST SCALE, BOTTOM FLANGE, UP TO 3" IN THE WEB DOWN TO A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 5: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 4" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 6: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

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:
09/22/2020	TIM EARP	
Details		
Span 1 Beam 7: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
<p>Span 1 Beam 8: 18" OF RUST SCALE, BOTTOM FLANGE, UP TO 5" IN THE WEB, 1/4" REMAINING IN THE BOTTOM FLANGE. WITH A 2" DIAMETER AREA WITH 100% SECTION LOSS AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</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:
09/22/2020	TIM EARP	
Details		
<p>Span 1 Beam 11: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 6" IN THE WEB, WITH 6" X UP TO 3" HOLE IN THE BOTTOM FLANGE, WITH 3/8" REMAINING IN THE WEB, WITH 5/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</p>		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 2 Beam 1: RIGHT WEB AND BOTTOM FLANGE OVER BENT 1. HAS A 10" x 3" AREA OF 100% SECTION LOSS. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

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:
09/22/2020	TIM EARP	
Details		
Span 2 Beam 5: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 6: 3' OF RUST SCALE, TOP AND BOTTOM FLANGE, UP TO 3" IN THE WEB, WITH 1/4" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS A 1" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 1: SPAN 2 BEAM 1 OVER END BENT 1. WEB AND FLANGES HAVE AREAS OF SECTION LOSS WITH 1/8" REMAINING IN BOTTOM FLANGE AND 3/16" REMAINING IN WEB. AREA IS: FROM END OF BEAM OUT 18" x FULL WIDTH OF FLANGE AND FROM END OF BEAM OUT 12" x FULL HEIGHT OF WEB. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.</p>		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 2 Beam 7: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH A KNIFE EDGE REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

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:
09/22/2020	TIM EARP	
Details		
Span 2 Beam 8: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/16" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. BOTTOM FLANGE HAS (3) 1" DIAMETER HOLES. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		



## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 9: 1' OF RUST SCALE, BOTTOM FLANGE, UP TO 2" IN THE WEB, WITH 1/8" REMAINING IN THE BOTTOM FLANGE, AT BENT 1. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</p>		

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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 11: SPAN 2 BEAM 11 RIGHT WEB AND BOTTOM FLANGE OVER END BENT 2. WEB HAS A 5" x 3" AREA OF 100% SECTION LOSS. BOTTOM FLANGE HAS A 7" x 3" AREA OF SECTION LOSS WITH 1/4" REMAINING. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</p>		

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 700015

County PENDER

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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 11: 3' OF RUST SCALE IN TOP FLANGE WITH 5/16" REMAINING. BOTTOM FLANGE HAS A 12" x 3" AREA OF 100% SECTION LOSS. WEB HAS A 1 1/2" DIAMETER HOLE. THESE AREAS ARE OVER BENT 1. A "PAR" HAS BEEN ISSUED FOR THESE CONDITIONS.</p>		

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:
09/22/2020	TIM EARP	
Details		
<p>Span 2 Beam 11: BEAM 11 LEFT BOTTOM FLANGE AT CRUTCH BENT. HAS A AREA OF SECTION LOSS WITH 1/4" REMAINING. AREA IS: 3" WIDE x 10" LONG. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.</p>		

**BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 700015                      County PENDER

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:
09/22/2020	TIM EARP	
Details		
Span 1 Crutch Bent 1 Cap 1: BEARING STIFFNER UNDER BEAM 5. HAS A 7" x 2" AREA OF SECTION LOSS DOWN TO A KNIFE EDGE REMAINING. WITH A 1/2" DIAMETER HOLE. A "PAR" HAS BEEN ISSUED FOR THIS CONDITION.		

# Bridge Inspection Field Sketch



Measured 10' from end bent 1.

Roadway	21.5ft Wide	2 Paved Lanes	Looking North
Left Shoulder	7.67ft Wide	0.67ft Paved	7ft Unpaved
Right Shoulder	6.5ft Wide*	0.5ft Paved	6ft Unpaved*
Left Guardrail			
Right Guardrail			

**VERIFIED BY TSE 9/22/20**

\*Measurement Revised: J. Talacek 9/6/2018

**Title**

Approach Roadway Sketch

**Description**

Data Worksheet

Bridge No: 700015

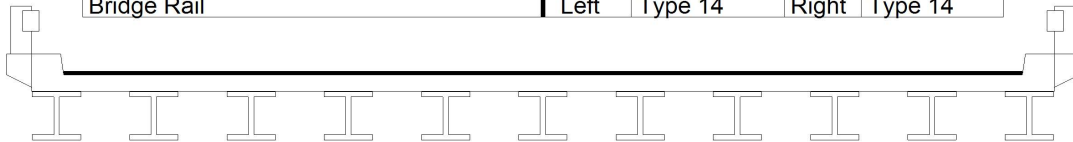
Drawn By: C. HOWARD

Date: 9/21/2014

File Name: S0042000234

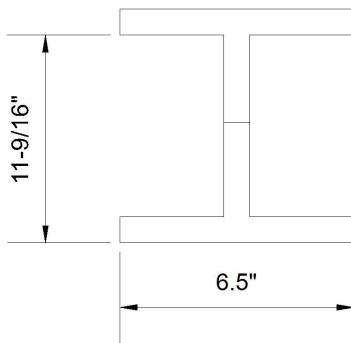
# Bridge Inspection Field Sketch

Deck Width/Out to Out	27.5ft*	Between Rails	25.5ft
Clear Roadway	24.083ft	Wearing Surface	0.17ft*
Median Width		Median Height	
Curb Height		Left 0.67ft	Right 0.67ft
Sidewalk Width		Left 1.17ft*	Right 1.17ft*
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left 0.5ft	Right 0.5ft
Top of Rail to Deck/Wearing Surface		Left 2.33ft	Right 2.33ft
Bridge Rail		Left Type 14	Right Type 14



Measurements for Span #	1		
Deck Thickness	0.417ft	Left Overhang	1.58ft
Top of Rail to Bottom of Beam	3.92ft	Right Overhang	1.58ft

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.417ft	
2	Steel I Beam	2.417ft	
3	Steel I Beam	2.417ft	
4	Steel I Beam	2.417ft	
5	Steel I Beam	2.417ft	
6	Steel I Beam	2.417ft	
7	Steel I Beam	2.417ft	
8	Steel I Beam	2.417ft	
9	Steel I Beam	2.417ft	
10	Steel I Beam	2.417ft	
11	Steel I Beam		



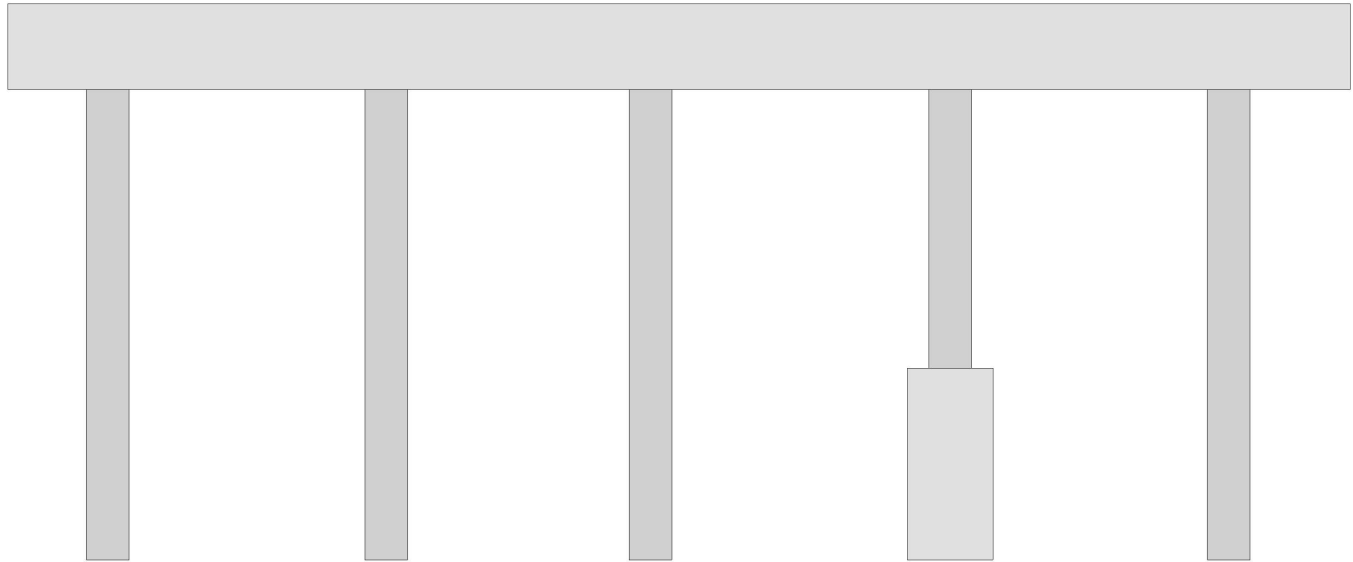
Web Thickness = 1/4"  
Flange Thickness = 7/16"

**VERIFIED BY TSE 9/22/20**

\*Measurements Revised: J. Talacek 9/6/2018

<b>Title</b> Typical Section Sketch		<b>Description</b> Data Worksheet		
Bridge No: 700015	Drawn By: C. HOWARD	Date: 9/21/2014	File Name: S0042000235	

# Bridge Inspection Field Sketch



<b>Cap Information</b>			<b>Material</b> Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
31.333 ft.	2.000 ft.	2.000 ft.	2.330 ft.	2.830 ft.	2.000 ft.	1.000 ft.				
<b>Subcap Information</b>			<b>Material</b>							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
<b>Sill Information</b>			<b>Material</b>							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	6.5 ft.	1 ft.			Vertical	Yes	No	No	No
2	Timber	6.167 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	7 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	6.5 ft.	1 ft.			Vertical	Yes	Yes	No	Yes
5	Timber		1 ft.			Vertical	Yes	No	No	No
<b>Bent/Abutment #:</b> 1			<b>Similar Bents:</b>							

VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 9/6/2018

<b>Title</b>		<b>Description</b>			
Typical Bent Sketch		Data Worksheet			
<b>Bridge No:</b> 700015	<b>Drawn By:</b> C. HOWARD	<b>Date:</b> 9/21/2014	<b>File Name:</b> S0042000237		

# Bridge Inspection Field Sketch



<b>Cap Information</b>			<b>Material</b> Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
33.920 ft.	1.208 ft.	1.125 ft.	1.000 ft.	1.000 ft.	3.167 ft.	2.833 ft.				
<b>Subcap Information</b>			<b>Material</b>							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
<b>Sill Information</b>			<b>Material</b>							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	11.67 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
2	Steel	11.25 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
3	Steel	9.0 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
4	Steel		0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
<b>Crutch Bent #:</b> 1										

VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 9/6/2018

<b>Title</b>			<b>Description</b>			
Typical Crutch Bent Sketch (1 of 2)			Data Worksheet			
<b>Bridge No:</b> 700015	<b>Drawn By:</b> C. HOWARD		<b>Date:</b> 9/21/2014	<b>File Name:</b> S0042000240		

# Bridge Inspection Field Sketch



<b>Cap Information</b>			<b>Material</b> Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
33.875 ft.	1.208 ft.	1.125 ft.	1.000 ft.	1.000 ft.	2.750 ft.	3.427 ft.				
<b>Subcap Information</b>			<b>Material</b>							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
<b>Sill Information</b>			<b>Material</b>							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	9.167 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
2	Steel	11.0 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
3	Steel	11.708 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
4	Steel		0.833 ft.	0.833 ft.		Vertical	Yes	No	No	No
<b>Crutch Bent #:</b> 2										

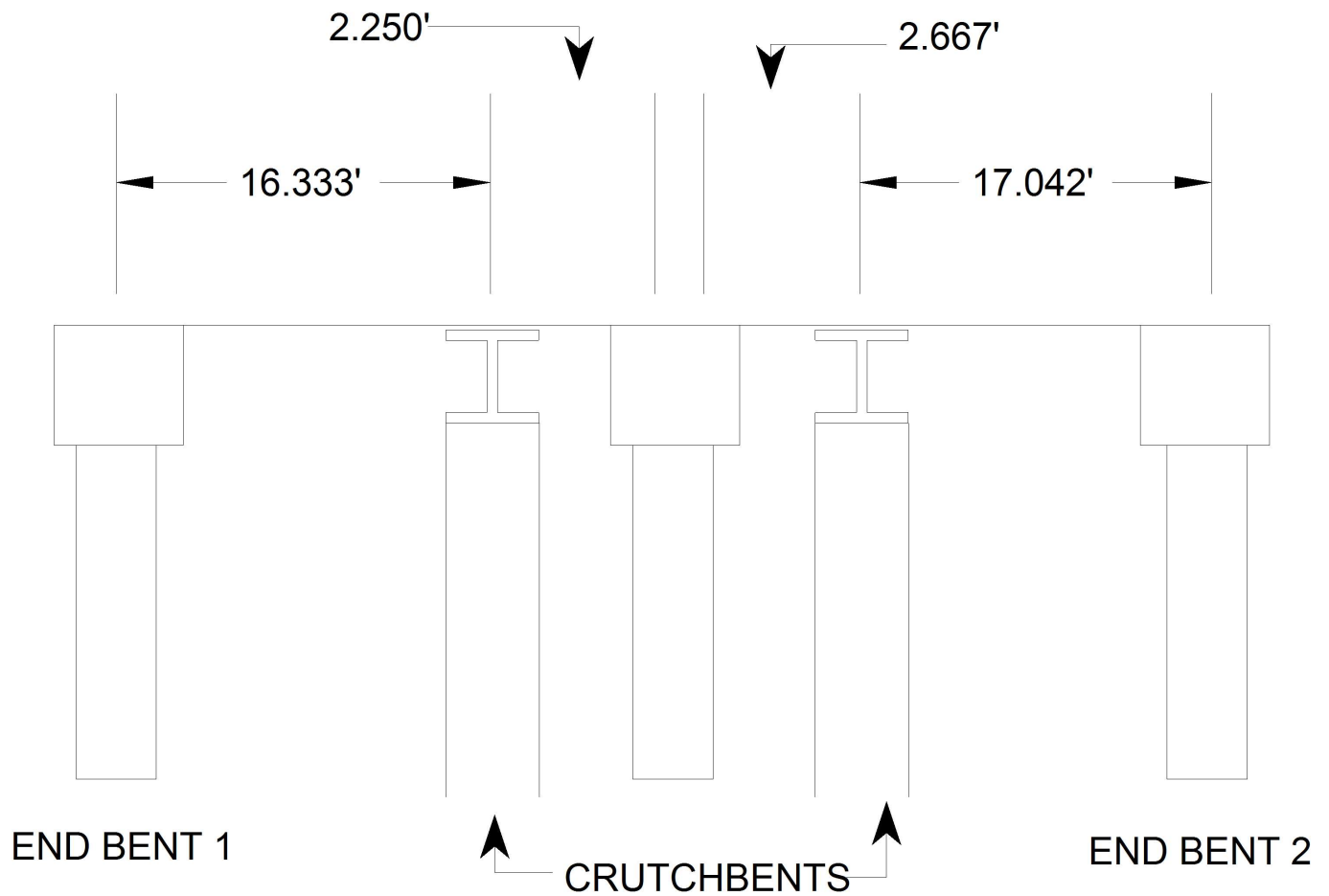
**VERIFIED BY TSE 9/22/20**

Measurements Verified: J. Talacek 9/6/2018

<b>Title</b>			<b>Description</b>			
Typical Crutch Bent Sketch (2 of 2)			Data Worksheet			
<b>Bridge No:</b> 700015	<b>Drawn By:</b> C. HOWARD		<b>Date:</b> 9/21/2014	<b>File Name:</b> S0042000241		



# Bridge Inspection Field Sketch



VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 09/06/2018

**Title**

Crutch Bent Span Lengths

**Description**

SPAN LENGTHS TAKEN AT C TO C O  
F BEARINGS ON THE UPSTREAM SID

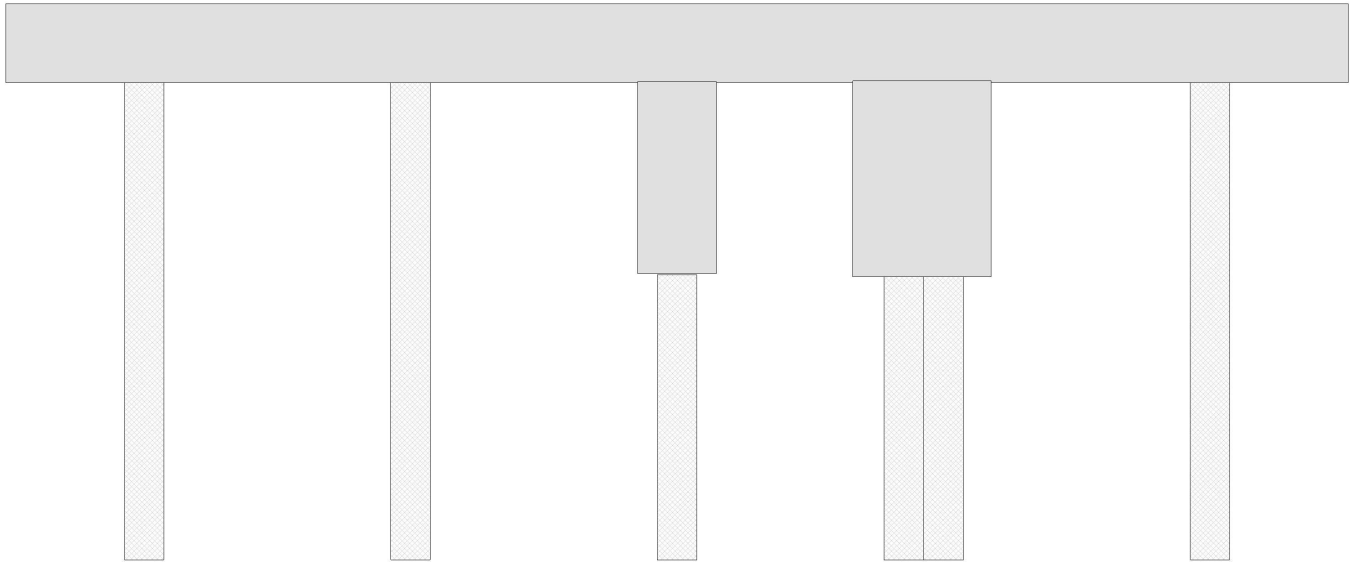
Bridge No: 700015

Drawn By: rgm

Date: 11/17/2008

File Name: S0042000236

# Bridge Inspection Field Sketch



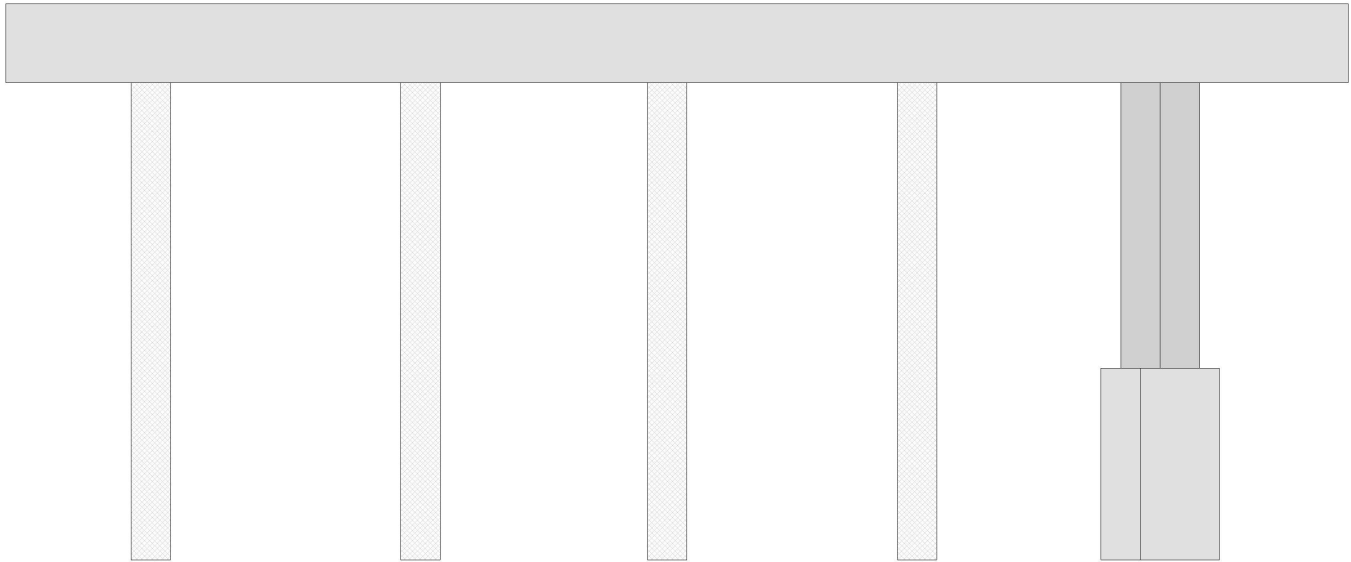
Cap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
34.000 ft.	2.000 ft.	2.000 ft.	3.500 ft.	3.500 ft.	2.000 ft.	3.330 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	6.75 ft.	3.00 ft.			Vertical	No	No	No	No
2	Timber	6.75 ft.	1.00 ft.			Vertical	No	No	No	No
3	Concrete	5.75 ft.	1.00 ft.			Vertical	No	No	No	Yes
4	Timber	1.00 ft.	1.00 ft.			Vertical	No	No	No	Yes
5	Timber	6.75 ft.	1.00 ft.			Vertical	No	No	No	Yes
6	Timber		1.00 ft.			Vertical	No	No	No	No
Abutment #: 1										

**VERIFIED BY TSE 9/22/20**

Measurements Verified: J. Talacek 9/6/2018

<b>Title</b> Typical End Bent Sketch (1 of 2)		<b>Description</b> Data Worksheet			
<b>Bridge No:</b> 700015	<b>Drawn By:</b> MSR	<b>Date:</b> 9/27/2016	<b>File Name:</b> S061800003		

# Bridge Inspection Field Sketch



<b>Cap Information</b>			<b>Material</b> Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
34.000 ft.	2.000 ft.	2.000 ft.	3.670 ft.	3.500 ft.	3.160 ft.	1.500 ft.				
<b>Subcap Information</b>			<b>Material</b>							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
<b>Sill Information</b>			<b>Material</b>							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	6.83 ft.	1 ft.			Vertical	No	Yes	No	No
2	Concrete	6.25 ft.	1 ft.			Vertical	No	Yes	No	No
3	Concrete	6.33 ft.	1 ft.			Vertical	No	Yes	No	No
4	Concrete	5.66 ft.	1 ft.			Vertical	No	Yes	No	No
5	Timber	1 ft.				Vertical	Yes	No	No	Yes
6	Timber					Vertical	Yes	No	No	Yes
<b>Abutment #:</b>			2							

VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 9/6/2018

**Title**

Typical End Bent Sketch (2 of 2)

**Description**

Data Worksheet

Bridge No: 700015

Drawn By: C. HOWARD

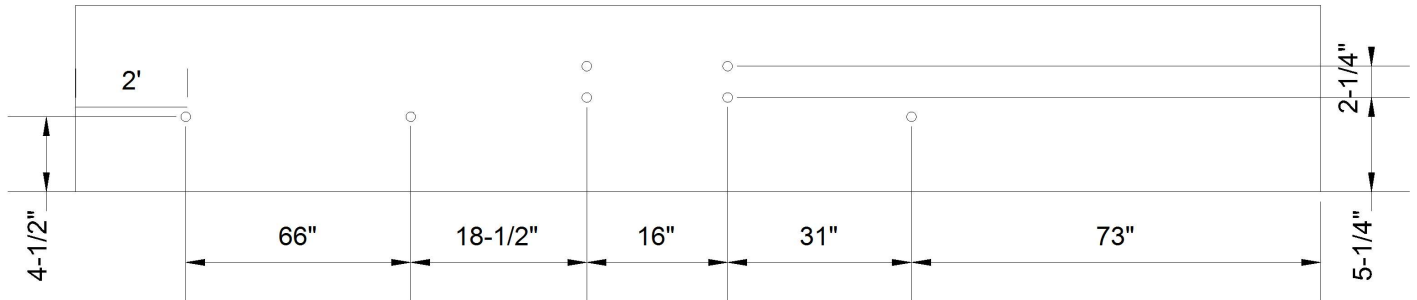
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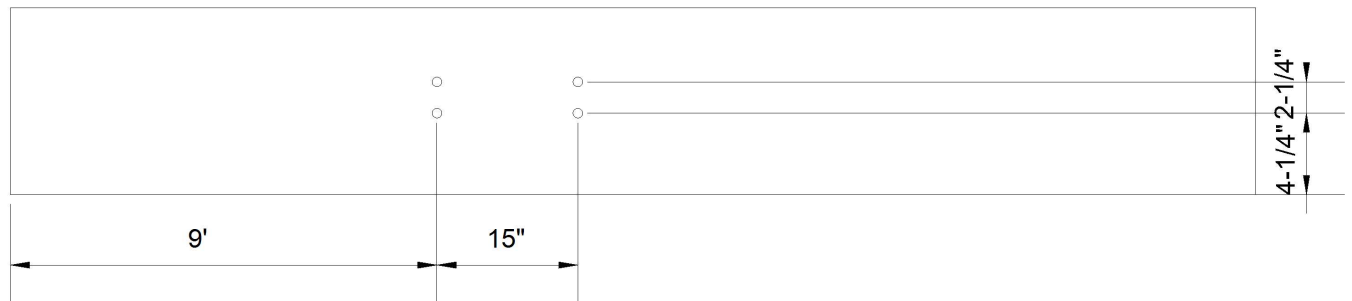
# Bridge Inspection Field Sketch

ALL HOLES: 3/4IN DIAMETER

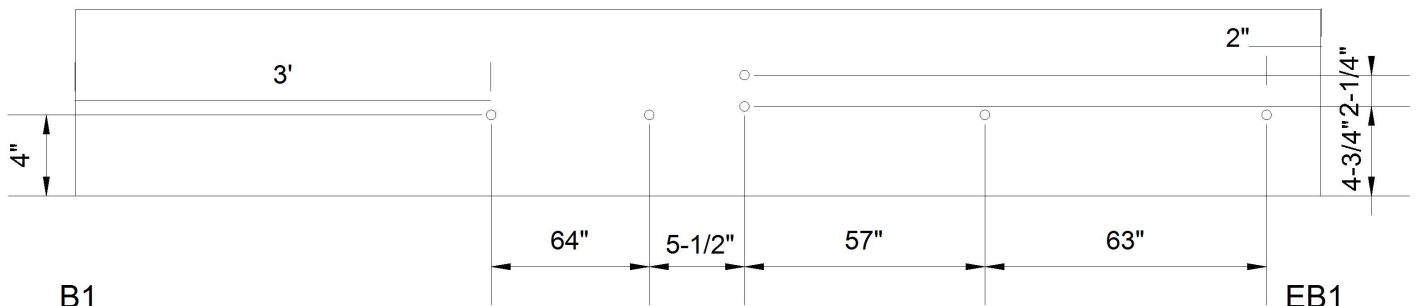
PAINT: ALUMINUM OVER LEAD



SPAN 1 BEAM 1



SPAN 1 BEAM 2 (BEAM 3 - BEAM 10 SIMILAR)



B1

EB1

SPAN 1 BEAM 11

VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 09/06/2018

Title

Recycled Beam Sketch (1 of 2)

Description

Data Worksheet

Bridge No: 700015

Drawn By: C. HOWARD

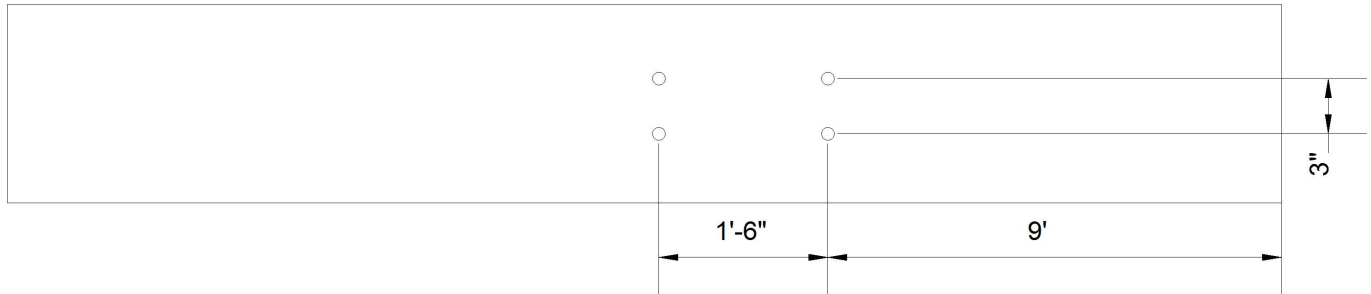
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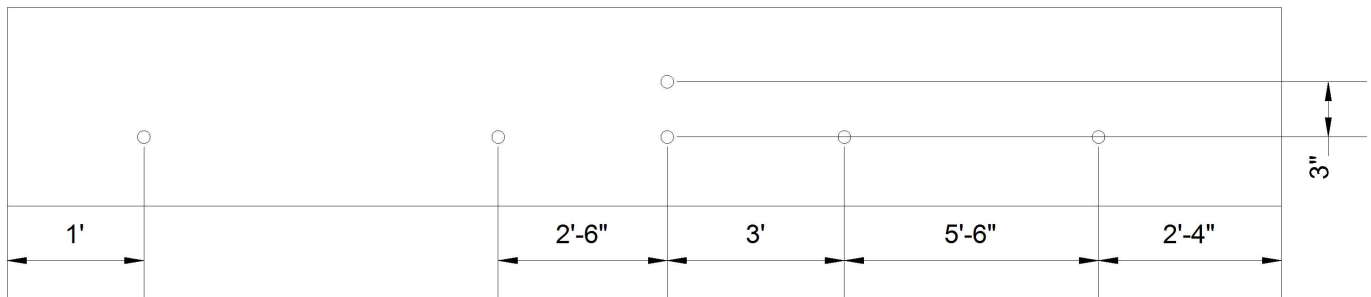
# Bridge Inspection Field Sketch

ALL HOLES: 3/4IN DIAMETER

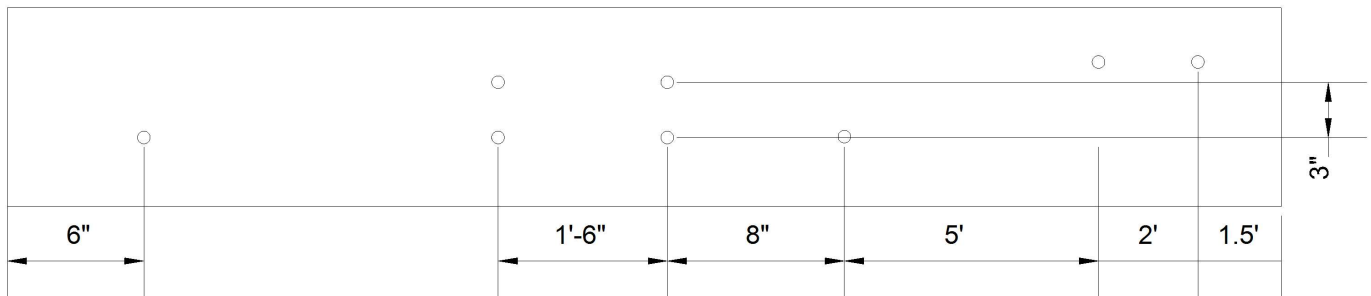
PAINT: ALUMINUM OVER LEAD



SPAN 2 BEAM 2 - BEAM 10



SPAN 2 BEAM 11



EB2

B2

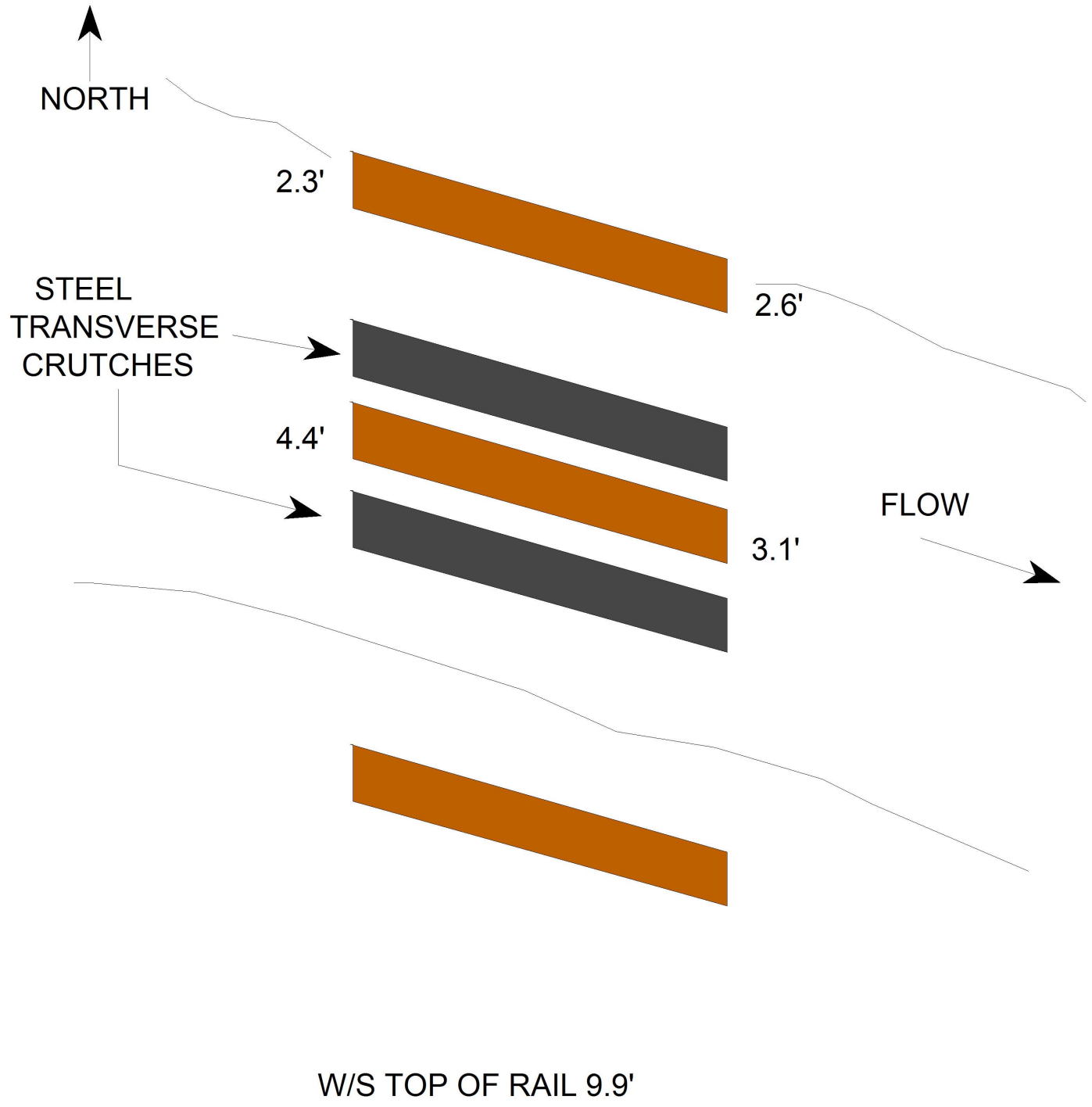
SPAN 2 BEAM 1

VERIFIED BY TSE 9/22/20

Measurements Verified: J. Talacek 09/06/2018

Title	Description
Recycled Beam Sketch (2 of 2)	Data Worksheet
Bridge No: 700015	Drawn By: C. HOWARD
Date: 9/25/2014	File Name: S0566000057

# Bridge Inspection Field Sketch



<b>Title</b> Plan View Sketch		<b>Description</b> Plan View	
Bridge No: 700015	Drawn By: PGR	Date: 9/23/19	File Name: S0174013115