NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: NEWLY STRUCTURALLY DEFICIENT. DECK SPALLING, BEAM SECTION LOSS & DIAPH. SPALLS, MISSING ANCHOR NUT, BENT SPALLING/DELAM, PILE DECAY, EROSION AT EB1 & 2, SLOPE PROTECTION. CHANGES TO TYP. SECTION & BENT SKETCHES. NEW BENT & BEAM HOLE SKETCH ADDED.

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 03/01/2022

DIVISION: 12 **COUNTY:** LINCOLN **STRUCTURE NUMBER:** 540007 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: NC182 **MILE POST:**

LOCATION: 0.7 MI. E. JCT. SR1167

FEATURE INTERSECTED: INDIAN CREEK

LATITUDE: 35° 26' 29.97" **LONGITUDE:** 81° 22' 43.16"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE: EBTS & BT#1,3&4:RC CAP & TIMBER PILES, BT#2:RC CAP ON DOUBLE STEEL CAPS & PILES

SPANS: 5 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: (Inspector/NBI Coding) **DECK** 5 / 5 **SUPERSTRUCTURE** 5 / 5 **SUBSTRUCTURE** 4 / 4 **CULVERT** N / N

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

OTHER SIGNS PRESENT: (4) DELINEATORS

LOOKING STATIONS AHEAD, EAST

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
NO	**DELINEATORS**	0
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS NO PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
SHAWN AUSEL		MATIN RUSS

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

05/04/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **540007**
(8) STRUCTURE NUMBER (FEDERAL) **1090007**
(5) INVENTORY ROUTE (ON/UNDER) ON **131001820**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **12**
(3) COUNTY CODE (FEDERAL) **109** (4) PLACE CODE **00000**
(6) FEATURE INTERSECTED **INDIAN CREEK**
(7) FACILITY CARRIED **NC182**
(9) LOCATION **0.7 MI. E. JCT. SR1167**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **35° 26' 29.97"** (17) LONGITUDE **81° 22' 43.16"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

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

AGE AND SERVICE

(27) YEAR BUILT **1951**
(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 **950**
(30) YEAR OF ADT **2019** (109) TRUCK ADT PCT **7**
(19) BYPASS OR DETOUR LENGTH **4.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **37.0**
(49) STRUCTURE LENGTH **189.0**
(50) CURB OR SIDEWALK: LEFT **1.0** RIGHT **1.0**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **24.0**
(52) DECK WIDTH OUT TO OUT **28.3**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **20.0**
(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 **24.0**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **0.0**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **N** **0.0**
(56) MIN LAT UNDERCLEARANCE LT: **0.0**

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE **6**
(111) PIER PROTECTION CODE
(39) NAVIGATION VERTICAL CLEARANCE **0.0**
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR **0.0**
(40) NAVIGATION HORIZONTAL CLEARANCE **0.0**

SUFFICIENCY RATING **47.24**
STATUS = **Structurally Deficient**

CLASSIFICATION — CODE

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

CONDITION — CODE

(58) DECK **5**
(59) SUPERSTRUCTURE **5**
(60) SUBSTRUCTURE **4**
(61) CHANNEL & CHANNEL PROTECTION **6**
(62) CULVERTS **N**

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **H 15** **2**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-28** **51**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-17** **30**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **4**
(68) DECK GEOMETRY **4**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **7**
(72) APPROACH ROADWAY ALIGNMENT **6**
(36) TRAFFIC SAFETY FEATURES **0000**
(113) SCOUR CRITICAL BRIDGES **8**

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114) FUTURE ADT **1,900** YEAR OF FUTURE ADT **2040**

INSPECTION

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

Superstructure Build Details

Span Number 1 **Span Length** 38.0000 **Skew** 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	969	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		
8	Other Bearing	Other Bearings	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
4	Plate Girder	Steel Open Girder/Beam	152	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1108

Span Number 2 **Span Length** 37.5000 **Skew** 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	957	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	152	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1092
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		
1	Standard Joint	Pourable Joint Seal	30	Feet		
8	Other Bearing	Other Bearings	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8

Span Number 3 **Span Length** 37.5000 **Skew** 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
4	Plate Girder	Steel Open Girder/Beam	152	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1092
1	Standard Joint	Pourable Joint Seal	30	Feet		
8	Other Bearing	Other Bearings	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	957	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		

Span Number 4 **Span Length** 37.5000 **Skew** 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
4	Plate Girder	Steel Open Girder/Beam	152	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1092
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	957	Square Feet		
8	Other Bearing	Other Bearings	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Standard Joint	Pourable Joint Seal	30	Feet		

Span Number 5 **Span Length** 38.0000 **Skew** 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	30	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	969	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		
8	Other Bearing	Other Bearings	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
4	Plate Girder	Steel Open Girder/Beam	152	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1108

Structure Element Scoring

Structure Number: **540007**

Inspection Date **3/1/2022**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	4809	67	4709	33	0
107	0	Steel Open Girder/Beam	Beam	760	707	15	16	22
515	107	Steel Protective Coating	Beam	5492	5461	0	0	31
215	0	Reinforced Concrete Abutment	Abutments	80	77	0	3	0
225	0	Steel Pile	Piles and Columns	8	8	0	0	0
515	225	Steel Protective Coating	Piles and Columns	800	800	0	0	0
228	0	Timber Pile	Piles and Columns	31	11	17	2	1
234	0	Reinforced Concrete Pier Cap	Caps	144	116	0	24	4
521	234	Concrete Protective Coating	Caps	285	285	0	0	0
236	0	Other Pier Cap	Caps	117	60	40	17	0
521	236	Concrete Protective Coating	Caps	552	552	0	0	0
301	0	Pourable Joint Seal	Expansion Joints	120	95	0	25	0
316	0	Other Bearings	Bearing Device	40	8	30	2	0
515	316	Steel Protective Coating	Bearing Device	40	8	0	0	32
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	380	8	372	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **540007** Inspection Date: **03/01/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	1862 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	12 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	23 Square Feet
3314	Steel Open Girder/Beam	Damage	4 Feet
3314	Steel Open Girder/Beam	Corrosion	37 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	3 Feet
3344	Timber Pile	Decay/Section Loss	6 Each
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	23 Feet
3348	Other Pier Cap	Corrosion	8 Feet
3348	Other Pier Cap	Delamination/Spall	9 Feet
3334	Other Bearings	Connection	4 Each
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	63 Square Feet

Element Structure Maintenance Quantities

Structure Number: **540007** Inspection Date **03/01/2022**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	3	80	0	3	0	77
Beam	3314	Maintenance Steel Superstructure Components	41	760	22	16	15	707
Beam	3342	Clean and Paint Steel	31	5492	31	0	0	5461
Bearing Device	3334	Bridge Bearing	4	40	0	2	30	8
Bearing Device	3342	Clean and Paint Steel	32	40	32	0	0	8
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	380	0	0	372	8
Caps	3348	Maintenance of Concrete Substructure	43	261	4	41	40	176
Caps	5603	Partial Cleaning and Painting of Structural Steel	0	837	0	0	0	837
Deck	3326	Maintenance of Concrete Deck	1897	4809	0	33	4709	67
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	120	0	25	0	95
Piles and Columns	3342	Clean and Paint Steel	0	800	0	0	0	800
Piles and Columns	3344	Maintenance To Timber Substructure	6	31	1	2	17	11
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	8	0	0	0	8

Priority Actions Request

Structure Number **540007**

Span1

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 1 Deck: SPALLING (18IN L. X 6IN W. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT FAR END. (PAR)

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	5	Span 1 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 1/8IN SL TO BOTH SIDES, 6IN L. X 1IN W. AT FAR END DIAPHRAGM, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. FOR 5FT L. TO BOTTOM RIGHT SIDE AT FAR END. (PAR)

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 1/16IN SL TO BOTH SIDES, 4IN L. X 1IN H. AT FAR END DIAPHRAGM. (PAR)

3314 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 3: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	8	Span 1 Beam 4: TAPPERED BOTTOM FLANGE SECTION LOSS (UP TO 25%, 3/8IN SL, 1/4IN REMAIN) 8IN W. FOR 8FT L., AND WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) UP TO 10IN H. FOR 8FT L. AT FAR END. (PAR)
2	Damage	0	Span 1 Beam 4: FAR END DIAPHRAGM - SPALL (2FT L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR AT RIGHT SIDE OF BEAM. (PAR)

Span2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/16IN REMAIN) FULL W. FOR 2FT L. AT NEAR END, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 3FT L. X 3IN H. TO BOTTOM AT NEAR END. (PAR)

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

Priority Actions Request

Structure Number **540007**

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 2 Beam 2: TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 15%, 5/16IN SL, 5/16IN REMAIN AT EDGE) 6IN W. FOR 1FT L. AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. X 2FT L. TO BOTTOM AT FAR END. (PAR)

Span3

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Span 3 Deck: SPALLING/DELAM (4.5FT L. X 14IN W. X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT OVERHANG, 2FT FROM NEAR END. (PAR)

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 3IN H. FOR 6IN H. AT NEAR END DIAPHRAGM. (PAR)
2	Connection	1	Span 3 Near Bearing: RIGHT ANCHOR NUT MISSING. (PAR)

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 2: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT FAR END, AND WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 12IN L. X 1IN H. TO BOTTOM AT FAR END, SIMILAR WEB SECTION LOSS AT TOP. (PAR)
2	Damage	0	Span 3 Beam 2: FAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)

3314 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 3: WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Damage	1	Span 3 Beam 4: NEAR END DIAPHRAGM - SPALL (16IN L. X 8IN W. X 2IN D.) WITH EXPOSED & CORRODED REBAR (1/16IN SL) AT RIGHT SIDE OF BEAM. (PAR)

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

Priority Actions Request

Structure Number **540007**

Span4

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 4 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 4 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)
1	Corrosion	2	Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 2.5IN H. X 2FT L. STARTING 28IN FROM FAR END. (PAR)
1	Corrosion	1	Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 5IN L. X 1.5IN W. AT FAR END DIAPHRAGM. (PAR)
2	Damage	2	Span 4 Beam 2: NEAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)

Span5

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
1	Delamination/Spall	4	Span 5 Deck: INTERMITTENT SPALLING/DELAM (UP TO 12IN L. X 5IN W. X 1/2IN D.) WITH EXPOSED REBAR TO TOP OF DECK THROUGHOUT FAR END. (PAR)
2	Delamination/Spall	2	Span 5 Deck: SPALL/DELAM (2SF X 1/2IN D.) WITH EXPOSED REBAR IN LEFT LANE 18IN FROM NEAR END. (PAR)
2	Exposed Rebar	4	Span 5 Deck: SPALLING (UP TO 12IN DIAM. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG 10FT FROM END BENT 2. (PAR)

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 5 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

3314 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 5 Beam 3: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

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

Priority Actions Request

Structure Number **540007**

Bent 1

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Bent 1 Cap 1: SPALL (30IN L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE OVER PILE 3. (PAR)
2	Delamination/Spall	2	Bent 1 Cap 1: SPALLED PATCH (16IN L. X 12IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO FAR RIGHT CORNER AT BOTTOM. (PAR)

3344 **Pile 3** Timber Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	2	Bent 1 Pile 3: DELAM/HOLLOW WHEN SOUNDED (20IN L. X 8IN W.) TO NEAR SIDE AT TOP. (PAR)

3344 **Pile 4** Timber Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	1	Bent 1 Pile 4: HOLLOW WHEN SOUNDED (5IN H. X FULL PERIMETER) AT TOP. (PAR)

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Damage	0	End Bent 1 Cap 1: EROSION UNDER CAP (2FT L. X 30IN D.) BELOW BAY 3. (PAR)

Bent 2

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Damage	0	End Bent 2 Cap 1: EROSION UNDER CAP (UP TO 24IN D. X 3FT L.) BELOW BEAM 2, AND EROSION UNDER CAP (UP TO 20IN D. X 2FT L.) BELOW BAY 1. (PAR)

Bent 3

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	4	Bent 3 Cap 1: SPALLING/DELAM (40IN L. X 24IN . X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE BELOW BAY 3. (PAR)
2	Delamination/Spall	4	Bent 3 Cap 1: DELAM (4FT L. X 6IN W.) TO FAR SIDE TOP EDGE IN BAY 1 EXTENDING UP TO FAR EDGE OF SPAN 4 BEAM 2 NEAR END BEARING. (PAR)

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

Priority Actions Request

Structure Number **540007**

Bent 5

3344 **Pile 1** Timber Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	3	Bent 4 Pile 1: DECAY/SECTION LOSS (UP TO 4IN D. X 12IN W. X 3FT L.) TO LEFT SIDE STARTING 2FT FROM GROUND. (PAR)

Slope Protection

3352 **Slope Protection** Slope Protection

Priority Level	Defect Type	Quantity	Defect Description
2		9	END BENT 1 SLOPE PROTECTION - SPALLED/BROKEN AREA (3FT L. X 3FT W.) WITH EROSION (UP TO 2FT D.) UNDER CONCRETE SLOPE PROTECTION AROUND BROKEN AREA, BELOW BAY 4. (PAR)
2		42	END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR) END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 3FT L.) AT RIGHT SIDE. (PAR)

Element Condition and Maintenance Data

Structure Number: **540007** Inspection Date: **03/01/2022**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	969	0	967	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Exposed Rebar	SPALLING (18IN L. X 6IN W. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT FAR END. (PAR)	3	2	2	Square Feet
12	Abrasion/Wear (PSC/RC)	MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT	2	555		Square Feet
12	Cracking (RC and Other)	1/32IN MAP CRACKING THROUGHOUT TOP OF DECK.	2	350	350	Square Feet
12	Delamination/Spall	SPALL (4IN DIAM. X 1/2IN D.) WITH EXPOSED REBAR TO BOTTOM OF LEFT OVERHANG AT MID-SPAN	2	1	1	Square Feet
12	Exposed Rebar	SOFFIT ALONG RIGHT OVERHANG, 4 FT FROM END BENT 1, 6 IN LONG X 12 IN WIDE X 1.5 IN DEEP SPALL WITH EXPOSED REBAR WITH NO SECTION LOSS.	2	1	1	Square Feet
12	Patched Areas	X2 TRANSVERSE SEALED CRACKING (FULL W.) THROUGHOUT TOP OF DECK AT 1/3 POINTS	2	60		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	38	0	38	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.	2	38		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	38	0	38	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.	2	38		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	38	33	0	0	5	Feet
515	Steel Protective Coating	277	272	0	0	5	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 1/8IN SL TO BOTH SIDES, 6IN L. X 1IN W. AT FAR END DIAPHRAGM, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. FOR 5FT L. TO BOTTOM RIGHT SIDE AT FAR END. (PAR)**	4	5	5	Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	5	5	Square Feet

General Comments

Span 1 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	37	0	0	1	Feet
515	Steel Protective Coating	277	276	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 1/16IN SL TO BOTH SIDES, 4IN L. X 1IN H. AT FAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	37	0	0	1	Feet
515	Steel Protective Coating	277	276	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	30	0	0	8	Feet
515	Steel Protective Coating	277	269	0	0	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**TAPPERED BOTTOM FLANGE SECTION LOSS (UP TO 25%, 3/8IN SL, 1/4IN REMAIN) 8IN W. FOR 8FT L., AND WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) UP TO 10IN H. FOR 8FT L. AT FAR END. (PAR)**	4	8	8	Feet

107	**Damage**	**FAR END DIAPHRAGM - SPALL (2FT L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR AT RIGHT SIDE OF BEAM. (PAR)**	3			Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	8	8	Square Feet

General Comments

Span 1 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	957	0	951	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**SOFFIT, 6 FT FROM BENT 2, LEFT OVERHANG, 6 IN DIAMETER X 0.5 IN DEEP SPALL WITH EXPOSED REBAR WITH NO SCTION LOSS.**	3	1	1	Square Feet
12	**Delamination/Spall**	**SPALL (6IN DIAM. X 1/2IN D.) WITH EXPOSED REBAR TO BOTTOM OF LEFT OVERHANG 10FT FROM NEAR END**	3	1	1	Square Feet
12	**Delamination/Spall**	**X2 SPALLS (6IN DIAM. X 3/4IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT NEAR END, (SIMILAR X2 AT FAR END).**	3	4	4	Square Feet
12	**Abrasion/Wear (PSC/RC)**	**MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT**	2	519		Square Feet
12	**Cracking (RC and Other)**	**1/32IN MAP CRACKING THROUGHOUT TOP OF DECK**	2	362	362	Square Feet
12	**Patched Areas**	**FULL WIDTH SOUND SEAL CRACK REPAIR AT 10.5 FT FROM BENT 1.**	2	30		Square Feet
12	**Patched Areas**	**X4 SOUND PATCHING (UP TO 5FT L. X 2FT W.) WITH HAIRLINE MAP CRACKING THROUGHOUT END OF DECK ADJACENT TO JOINT OVER BENT 2**	2	40		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	38	0	38	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		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	38	0	38	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		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	38	33	0	5	0	Feet
515	Steel Protective Coating	273	270	0	0	3	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/16IN REMAIN) FULL W. FOR 2FT L. AT NEAR END, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 3FT L. X 3IN H. TO BOTTOM AT NEAR END. (PAR)**	3	3	3	Feet
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 1FT L. AT FAR END**	3	1	1	Feet
107	**Damage**	**NEAR END DIAPHRAGM AT LEFT OVERHANG, 6 IN X 10 IN DEEP SPALL WITH EXPOSED REBAR WITH NO SECTION LOSS.**	3	1	1	Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	3	3	Square Feet

General Comments

Span 2 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	36	0	2	0	Feet
515	Steel Protective Coating	273	271	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 15%, 5/16IN SL, 5/16IN REMAIN AT EDGE) 6IN W. FOR 1FT L. AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. X 2FT L. TO BOTTOM AT FAR END. (PAR)**	3	2	2	Feet
107	**Damage**	**NEAR END DIAPHRAGM - SOUND PATCH (4FT L. X 10IN W.) AT RIGHT SIDE OF BEAM**	2			Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	2	2	Square Feet

General Comments

Span 2 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	35	0	3	0	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**ARRESTED BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/1IN REMAIN) FULL W. FOR 16IN L. AT NEAR END**	3	2	2	Feet
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 1FT L. AT FAR END**	3	1	1	Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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

316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	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	38	37	0	1	0	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 6IN L. AT FAR END**	3	1	1	Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTION COATING HAS FAILED FOR 6 IN LONG AT BENT 2.**	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 2 — Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	30	5	0	25	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
301	**Seal Cracking**	**INTERMITTENT CRACKING (UP TO 1/4IN W.) THROUGHOUT SEAL**	3	25		Feet

General Comments

Span 3 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	957	27	920	10	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**DELAM (3SF) TO BOTTOM OF LEFT OVERHANG AT MID-SPAN**	3	3	3	Square Feet
12	**Delamination/Spall**	**SPALLING (2SF X 1IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF LEFT OVERHANG AT NEAR END**	3	2	2	Square Feet
12	**Exposed Rebar**	**SPALLING/DELAM (4.5FT L. X 14IN W. X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT OVERHANG, 2FT FROM NEAR END. (PAR)**	3	5	5	Square Feet
12	**Abrasion/Wear (PSC/RC)**	**MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT**	2	500		Square Feet
12	**Cracking (RC and Other)**	**1/32IN MAP CRACKING THROUGHOUT TOP OF DECK**	2	300	300	Square Feet
12	**Patched Areas**	**TRANSVERSE SEALED CRACKING (FULL W.) THROUGHOUT TOP OF DECK**	2	80		Square Feet
12	**Patched Areas**	**X4 SOUND PATCHING (UP TO 5FT L. X 2FT W.) WITH HAIRLINE MAP CRACKING THROUGHOUT END OF DECK ADJACENT TO JOINT OVER BENT 2**	2	40		Square Feet

General Comments

Span 3 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		Feet

General Comments

Span 3 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	38	8	30	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	30		Feet

General Comments

Span 3 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	37	0	0	1	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 3IN H. FOR 6IN H. AT NEAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
107	**Corrosion**	**BOTTOM FLANGE & WEB REPAIR (72IN L. X 6IN H.) AT NEAR END, WITH 2IN DIAM. HOLE AT FAR END OF REPAIR.**	1	5		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Connection**	**RIGHT ANCHOR NUT MISSING. (PAR)**	3	1	1	Each
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2			Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	37	0	0	1	Feet
515	Steel Protective Coating	273	271	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT FAR END, AND WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 12IN L. X 1IN H. TO BOTTOM AT FAR END, SIMILAR WEB SECTION LOSS AT TOP. (PAR)**	4	1	1	Feet
107	**Damage**	**FAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)**	3			Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	2	2	Square Feet

General Comments

Span 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Connection**	**BOTH ANCHOR NUTS NOT ENGAGED.**	2	1	1	Each
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2			Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	34	3	0	1	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 2.5IN H. X 2.5FT L. TO BOTTOM AT NEAR END OF REPAIR**	2	3		Feet
107	**Damage**	**BOTTOM FLANGE & WEB REPAIRS (20IN L. X 6IN H.) WITH 2IN DIAM. HOLE IN WEB AT END OF REPAIR AT FAR END.**	1	2		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Connection**	**BOTH ANCHOR BOLT NUTS ARE NOT FULLY TIGHTENED AT BENT 2.**	3	1	1	Each
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2			Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	36	0	2	0	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/4IN SL, 3/8IN REMAIN AT EDGE) FULL W. FOR 12IN L. AT FAR END**	3	1	1	Feet
107	**Damage**	**NEAR END DIAPHRAGM - SPALL (16IN L. X 8IN W. X 2IN D.) WITH EXPOSED & CORRODED REBAR (1/16IN SL) AT RIGHT SIDE OF BEAM. (PAR)**	3	1	1	Feet
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT FAR END DIAPHRAGM**	2			Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Connection**	**BOTH ANCHOR NUTS NOT ENGAGED.**	2	1	1	Each
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2			Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	957	40	912	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**X5 SPALLS/DELAM (UP TO 1SF X 1IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT MID-SPAN**	3	5	5	Square Feet
12	**Abrasion/Wear (PSC/RC)**	**MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT**	2	550		Square Feet
12	**Cracking (RC and Other)**	**1/32IN MAP CRACKING THROUGHOUT TOP OF DECK**	2	350	350	Square Feet
12	**Patched Areas**	**HAIRLINE CRACK IN SEAL IN RIGHT LANE AND RIGHT SHOULDER AT 12 FEET FROM BENT 4.**	2	12		Square Feet

General Comments

Span 4 Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		Feet

General Comments

Span 4 Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		Feet

General Comments

Span 4 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	36	1	0	1	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)**	4	1	1	Feet
107	**Corrosion**	**PARTIALLY ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM**	3		1	Feet

107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT FAR END DIAPHRAGM**	2	1		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	34	0	3	1	Feet
515	Steel Protective Coating	273	272	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 2.5IN H. X 2FT L. STARTING 28IN FROM FAR END. (PAR)**	3	2	2	Feet
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 5IN L. X 1.5IN W. AT FAR END DIAPHRAGM. (PAR)**	3	1	1	Feet
107	**Damage**	**NEAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)**	3		2	Feet
107	**Corrosion**	**BOTTOM FLANGE & WEB REPAIR (28IN L. X 6IN H.) AT FAR END WITH 2IN DIAM. HOLE IN WEB AT NEAR END OF REPAIR**	1	2		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	36	2	0	0	Feet
515	Steel Protective Coating	273	273	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Damage**	**BOTTOM FLANGE & WEB REPAIRS (20IN L. X 6IN H.) WITH 2IN DIAM. HOLE IN WEB AT NEAR END**	2	2		Feet

General Comments

Span 4 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	37	1	0	0	Feet
515	Steel Protective Coating	273	273	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM**	2	1		Feet

General Comments

Span 4 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	969	0	959	10	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**INTERMITTENT SPALLING/DELAM (UP TO 12IN L. X 5IN W. X 1/2IN D.) WITH EXPOSED REBAR TO TOP OF DECK THROUGHOUT FAR END. (PAR)**	3	4	4	Square Feet
12	**Delamination/Spall**	**SPALL/DELAM (2SF X 1/2IN D.) WITH EXPOSED REBAR IN LEFT LANE 18IN FROM NEAR END.(PAR)**	3	2	2	Square Feet
12	**Exposed Rebar**	**SPALLING (UP TO 12IN DIAM. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG 10FT FROM END BENT 2. (PAR)**	3	4	4	Square Feet
12	**Abrasion/Wear (PSC/RC)**	**MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT**	2	399		Square Feet
12	**Cracking (RC and Other)**	**1/32IN MAP CRACKING THROUGHOUT TOP OF DECK**	2	500	500	Square Feet
12	**Patched Areas**	**X2 TRANSVERSE SEALED CRACKING (FULL W.) THROUGHOUT TOP OF DECK AT 1/3 POINTS**	2	60		Square Feet

General Comments

Span 5 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		Feet

General Comments

Span 5 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**ABRASION UP TO 1/16 IN DEEP WITH EXPOSED AGGREGATE THAT REMAINS SECURE.**	2	38		Feet

General Comments

Span 5 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	37	1	0	0	Feet
515	Steel Protective Coating	277	277	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM**	2	1		Feet

General Comments

Span 5 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	37	0	0	1	Feet
515	Steel Protective Coating	277	276	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)**	4	1	1	Feet
107	**Corrosion**	**BOTTOM FLANGE & WEB REPAIR (48IN L. X 6IN H.) AT NEAR END WITH 2IN DIAM. HOLE AT FAR END OF REPAIR**	1	3		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	33	4	0	1	Feet
515	Steel Protective Coating	277	276	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)**	4	1	1	Feet

107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 2IN H. FOR 4FT L. TO BOTTOM AT NEAR END**	2	4		Feet
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Span 5 — Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	38	35	3	0	0	Feet
515	Steel Protective Coating	277	277	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 3IN H. FOR 3FT L. TO BOTTOM AT NEAR END**	2	3		Feet

General Comments

Span 5 — Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**MINOR TO MODERATE SCALE & CORROSION**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**PC FAILED AT CORRODED AREAS**	4	1	1	Square Feet

General Comments

Bent 1 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	23	0	5	0	Feet
521	Concrete Protective Coating	95	95	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**SPALL (30IN L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE OVER PILE 3. (PAR)**	3	3	3	Feet
234	**Delamination/Spall**	**SPALLED PATCH (16IN L. X 12IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO FAR RIGHT CORNER AT BOTTOM. (PAR)**	3	2	2	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**	**UP TO 3/16 IN WIDE VERTICAL CHECKS THROUGHOUT.**	2	1		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	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	**Check/Shake**	**1/8 IN WIDE CHECKS.**	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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	**Decay/Section Loss**	**DELAM/HOLLOW WHEN SOUNDED (20IN L. X 8IN W.) TO NEAR SIDE AT TOP. (PAR)**	3	1	2	Each
228	**Check/Shake**	**UP TO 3/16 IN WIDE VERTICAL CHECKS THROUGHOUT.**	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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	**Decay/Section Loss**	**HOLLOW WHEN SOUNDED (5IN H. X FULL PERIMETER) AT TOP. (PAR)**	3	1	1	Each
228	**Check/Shake**	**1/8 IN WIDE CHECKS.**	2			Each

General Comments

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	**Check/Shake**	**1/8 IN WIDE CHECKS.**	2	1		Each

General Comments

Bent 1 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**	**1/8 IN WIDE CHECKS.**	2	1		Each

General Comments

Bent 1 Pile 7

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**	**1/8 IN WIDE CHECKS.**	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	30	28	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Damage**	**EROSION UNDER CAP (2FT L. X 30IN D.) BELOW BAY 3. (PAR)**	3	2		Feet

General Comments

Piles not visible

Bent 1 Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	40	38	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Delamination/Spall**	**DELAM (8IN L. X 5IN W.) TO BACKWALL AT LEFT SIDE OF BEAM 4. (SIMILAR AT LEFT SIDE OF BEAM 2)**	3	2	2	Feet

General Comments

Bent 2 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	30	26	0	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Damage**	**EROSION UNDER CAP (UP TO 24IN D. X 3FT L.) BELOW BEAM 2, AND EROSION UNDER CAP (UP TO 20IN D. X 2FT L.) BELOW BAY 1. (PAR)**	3	4		Feet

General Comments

Bent 2 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	40	39	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Delamination/Spall**	**DELAM (1SF) TO BACKWALL AT RIGHT SIDE OF BEAM 3**	3	1	1	Feet
215	**Scour**	**DEFECT MOVED TO CAP, PREVIOUS COMMENT: BELOW BAY 1, 2 AREAS OF 2 FT LONG X UP TO 20 IN WIDE UNDERMINING BELOW CAP.**	1			Feet

General Comments

Bent 2 — Cap

Concrete Cap with Steel Riser

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
236	Other Pier Cap	117	60	40	17	0	Each
521	Concrete Protective Coating	552	552	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
236	**Corrosion**	**STEEL CAP AT NEAR SIDE - TAPERED TOP FLANGE SECTION LOSS (UP TO 1/8IN SL, 5/16IN REMAIN AT EDGE) FULL W. FOR 5FT L. BELOW BAY 2, AND NEAR SIDE - TOP FLANGE SECTION LOSS (UP TO 1/16IN SL, 3/8IN REMAIN) FULL W. FOR 2.5FT L. BELOW BAY 1.**	3	8	8	Feet
236	**Delamination/Spall**	**DELAM (2FT L. X 6IN W.) TO FAR SIDE AT TOP EDGE BELOW BEAM 3. (DOES NOT EXTEND BELOW BEARING)**	3	2	2	Feet
236	**Delamination/Spall**	**DELAM (3FT L. X 14IN W.) TO FAR SIDE TOP EDGE IN BAY 3. (NOT UNDER BEARING)**	3	3	3	Feet
236	**Delamination/Spall**	**DELAM (4FT L. X 6IN W.) WITH 1/8IN OPEN CRACKING TO FAR SIDE AT TOP IN BAY 2. (NOT UNDER BEARING)**	3	4	4	Feet
236	**Corrosion**	**STEEL CAPS - INTERMITTENT MODERATE TO HEAVY SCALE & CORROSION, NO MEASURABLE SECTION LOSS, THROUGHOUT STEEL CAPS & BEAMS**	2	40		Feet

General Comments

TOTAL LENGTH = SUM OF RC CAP, X2 STEEL CAPS, AND X8 STEEL BEAMS.

Bent 3 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	14	0	10	4	Feet
521	Concrete Protective Coating	95	95	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**SPALLING/DELAM (40IN L. X 24IN . X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE BELOW BAY 3. (PAR)**	4	4	4	Feet
234	**Delamination/Spall**	**DELAM (10FT L. X 8IN W.) TO NEAR SIDE TOP EDGE STARTING IN BAY 1. (DOES NOT EXTEND BELOW BEARINGS)**	3	6	10	Feet
234	**Delamination/Spall**	**DELAM (4FT L. X 6IN W.) TO FAR SIDE TOP EDGE IN BAY 1 EXTENDING UP TO FAR EDGE OF SPAN 4 BEAM 2 NEAR END BEARING. (PAR)**	3	4	4	Feet

General Comments

Bent 3 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 3 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 3 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 3 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 3 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 3 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**	**1/8 IN WIDE CHECKS.**	2	1		Each

General Comments

Bent 3 Pile 7

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**	**1/8 IN WIDE CHECKS.**	2			Each
228	**Scour**	**SCOUR (UP TO 1.1FT D.) AT CONCRETE COLLAR WITH UNDERMINE TO COLLAR (UP TO 12IN D. X 1/2 PERIMETER) AT NEAR SIDE**	2	1		Each

General Comments

Bent 5 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	25	0	3	0	Feet
521	Concrete Protective Coating	95	95	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Patched Area**	**DELAM (3FT L. X 8IN W.) TO NEAR SIDE AT TOP EDGE IN BAY 1. (NOT UNDER BEARINGS)**	3	3	3	Feet
234	**Patched Area**	**DUPLICATE COMMENT REMOVED**	1			Feet

General Comments

Bent 5 Pile 1

Timber Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	**Decay/Section Loss**	**DECAY/SECTION LOSS (UP TO 4IN D. X 12IN W. X 3FT L.) TO LEFT SIDE STARTING 2FT FROM GROUND. (PAR)**	4	1	3	Each
228	**Check/Shake**	**1/8 IN WIDE CHECKS.**	2			Each

General Comments

Bent 5 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 5 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 5 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 5 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 5 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	1/8 IN WIDE CHECKS.	2	1		Each

General Comments

Bent 5 Pile 7

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**	**1/8 IN WIDE CHECKS.**	2	1		Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	969
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	957
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	957
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	957
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	969
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 5	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
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
Bent 1	Pile 6	Timber Pile	Timber Pile	1
Bent 1	Pile 7	Timber Pile	Timber Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	40
Bent 2	Cap	Concrete Cap with Steel Riser	Other Pier Cap	117

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 2	Pile 1 Row 2	Steel Pile	Steel Pile	1
Bent 2	Pile 1 Row 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2 Row 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2 Row 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3 Row 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3 Row 1	Steel Pile	Steel Pile	1
Bent 2	Pile 4 Row 1	Steel Pile	Steel Pile	1
Bent 2	Pile 4 Row 2	Steel Pile	Steel Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	40
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 3	Pile 1	Timber Pile	Timber Pile	1
Bent 3	Pile 2	Timber Pile	Timber Pile	1
Bent 3	Pile 3	Timber Pile	Timber Pile	1
Bent 3	Pile 4	Timber Pile	Timber Pile	1
Bent 3	Pile 5	Timber Pile	Timber Pile	1
Bent 3	Pile 6	Timber Pile	Timber Pile	1
Bent 3	Pile 7	Timber Pile	Timber Pile	1
Bent 5	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 5	Pile 1	Timber Pile	Timber Pile	1
Bent 5	Pile 2	Timber Pile	Timber Pile	1
Bent 5	Pile 3	Timber Pile	Timber Pile	1
Bent 5	Pile 4	Timber Pile	Timber Pile	1
Bent 5	Pile 5	Timber Pile	Timber Pile	1
Bent 5	Pile 6	Timber Pile	Timber Pile	1
Bent 5	Pile 7	Timber Pile	Timber Pile	1

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 540007 **Inspection Date:** 03/01/2022

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**5**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**6**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**6**

Note:

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

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**G**	**0**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**P**	**51**	**3352**
Scour	G, F, P, or C	**F**		
Wingwall	G, F, P, or C	**F**	**1**	**3350**
Field Scour Evaluation		**U**		
Drift	G, F, P, or C	**F**	**3**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**G**		
Superstructure Paint Code		**A**		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**12**
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**
Portion of Structure in > 3' of water	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 540007 **Inspection Date:** 03/01/2022

Item	Substructure - Item 60	**Grade**	4	**Maint Code**		**Qty.**	0
Details	NEWLY STRUCTURALLY DEFICIENT. PILES 3 & 4 AT BENT 1 HOLLOW WHEN SOUNDED, AND BENT 4 PILE 1 WITH DECAY/SECTION LOSS (UP TO 4IN D.)						
Item	Channel and Channel Protection - Item 61	**Grade**	6	**Maint Code**		**Qty.**	0
Details	STREAM BANK BELOW SPAN 4 - BANK EROSION (UP TO 6FT H. X 20FT W. X 50FT L.) AT FAR SIDE OF BENT 3						
Item	Approach Roadway Alignment - Item 72	**Grade**	6	**Maint Code**		**Qty.**	0
Details	SHARP CURVE AT FAR END OF BRIDGE						
Item	Priority Maintenance Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	DECK SPALLING, BEAM SECTION LOSS & DIAPH. SPALLS, MISSING ANCHOR NUT, BENT SPALLING/DELAM, PILE DECAY, EROSION AT EB1 & 2, SLOPE PROTECTION						
Item	Slope Protection	**Grade**	P	**Maint Code**	3352	**Qty.**	51
Details	END BENT 1 SLOPE PROTECTION - SPALLED/BROKEN AREA (3FT L. X 3FT W.) WITH EROSION (UP TO 2FT D.) UNDER CONCRETE SLOPE PROTECTION AROUND BROKEN AREA, BELOW BAY 4. (PAR) END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR) END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 3FT L.) AT RIGHT SIDE. (PAR)						
Item	Drift	**Grade**	F	**Maint Code**	3366	**Qty.**	3
Details	DRIFT (20FT L. X 2FT DIAM.) AT FAR SIDE OF BENT 1 AT GROUND DRIFT (50CUFT) AT FAR SIDE OF BENT 3 AT DOWNSTREAM END DRIFT (12CUFT) AT LEFT SIDE OF BENT 4 PILE 1 DRIFT (25CUFT) AT FAR SIDE OF BENT 4 AT PILES 4-7						
Item	Scour	**Grade**	F	**Maint Code**		**Qty.**	0
Details	SCOUR (UP TO 1.1FT D.) AT CONCRETE COLLAR WITH UNDERMINE TO COLLAR (UP TO 12IN D. X 1/2 PERIMETER) AT NEAR SIDE						
Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	1
Details	NEAR RIGHT (SW) WINGWALL - SPALL (5IN L. X 4IN W. X 1/2IN D.) TO NEAR SIDE AT TOP						
Item	Field Scour Evaluation	**Grade**	U	**Maint Code**		**Qty.**	0
Details	SCOUR (UP TO 1.1FT D.) AT CONCRETE COLLAR WITH UNDERMINE TO COLLAR (UP TO 12IN D. X 1/2 PERIMETER) AT NEAR SIDE						

TYPICAL 1/32IN MAP CRACKING & MODERATE TO HEAVY WEAR WITH EXPOSED AGGREGATE THROUGHOUT SPAN 1 RIGHT LANE

TYPICAL TRANSVERSE SEALED CRACKING (FULL W.) THROUGHOUT TOP OF DECK, SPAN 1 LOOKING AHEAD

JOINT OVER BENT 1 - INTERMITTENT CRACKING (UP TO 1/4IN W.) THROUGHOUT SEAL

TYPICAL AREA OF CRACKING (UP TO 1/4IN W.) THROUGHOUT SEAL, JOINT OVER BENT 1 LEFT LANE

TYPICAL SOUND PATCHING (UP TO 5FT L. X 2FT W.) WITH HAIRLINE MAP CRACKING THROUGHOUT ENDS OF DECK ADJACENT TO JOINT OVER BENT 2

TYPICAL MINOR TO MODERATE WEAR WIH EXPOSED AGGREGATE THROUGHOUT RAILS, SPAN 3 LEFT SIDE

SPAN 5 DECK - SPALL/DELAM (2SF X 1/2IN D.) WITH EXPOSED REBAR IN LEFT LANE 18IN FROM NEAR END. (PAR)

TYPICAL INTERMITTENT SPALLING/DELAM (UP TO 12IN L. X 5IN W. X 1/2IN D.) WITH EXPOSED REBAR TO TOP OF DECK THROUGHOUT FAR END, RIGHT LANE SHOWN. (PAR)

NEAR RIGHT (SW) WINGWALL - SPALL (5IN L. X 4IN W. X 1/2IN D.) TO NEAR SIDE AT TOP

END BENT 1 CAP - EROSION UNDER CAP (2FT L. X 30IN D.) BELOW BAY 3. (PAR)

END BENT 1 ABUTMENT - DELAM (8IN L. X 5IN W.) TO BACKWALL AT LEFT SIDE OF BEAM 4. (SIMILAR AT LEFT SIDE OF BEAM 2)

SPAN 1 DECK - SPALL (4IN DIAM. X 1/2IN D.) WITH EXPOSED REBAR TO BOTTOM OF LEFT OVERHANG AT MID-SPAN

SPAN 1 DECK - SPALLING (18IN L. X 6IN W. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT FAR END. (PAR)

BENT 1 CAP - SPALL (30IN L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE OVER PILE 3. (PAR)

BENT 1 PILE 3 - DELAM/HOLLOW WHEN SOUNDED (20IN L. X 8IN W.) TO NEAR SIDE AT TOP. (PAR)

TYPICAL MINOR CHECKING THROUGHOUT PILES, BENT 1 PILE 1

BENT 1 PILE 4 - HOLLOW WHEN SOUNDED (5IN H. X FULL PERIMETER) AT TOP. (PAR)

END BENT 1 SLOPE PROTECTION - SPALLED/BROKEN AREA (3FT L. X 3FT W.) WITH EROSION (UP TO 2FT D.) UNDER CONCRETE SLOPE PROTECTION AROUND BROKEN AREA, BELOW BAY 4. (PAR)

BENT 1 CAP - SPALLED PATCH (16IN L. X 12IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO FAR RIGHT CORNER AT BOTTOM. (PAR)

DRIFT (20FT L. X 2FT DIAM.) AT FAR SIDE OF BENT 1 AT GROUND

SPAN 1 BEAM 1 - WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 1/8IN SL TO BOTH SIDES, 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)

SPAN 2 BEAM 1 - BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/16IN REMAIN) FULL W. FOR 2FT L. AT NEAR END, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 3FT L. X 3IN H. TO BOTTOM AT NEAR END. (PAR)

TYPICAL BEARINGS AT BENT 1, BEAMLINE 2 - MINOR SURFACE SCALE & CORROSION

SPAN 1 BEAM 2 - WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 1/16IN SL TO BOTH SIDES, 4IN L. X 1IN H. AT FAR END DIAPHRAGM. (PAR)

SPAN 1 BEAM 1 - ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. FOR 5FT L. TO BOTTOM RIGHT SIDE AT FAR END. (PAR)

SPAN 1 BEAM 3 - WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)

SPAN 2 BEAM 3 - ARRESTED BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/1IN REMAIN) FULL W. FOR 16IN L. AT NEAR END

SPAN 1 BEAM 4 - TAPPERED BOTTOM FLANGE SECTION LOSS (UP TO 25%, 3/8IN SL, 1/4IN REMAIN) 8IN W. FOR 8FT L., AND WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) UP TO 10IN H. FOR 8FT L. AT FAR END. (PAR)

SPAN 1 BEAM 4, FAR END DIAPHRAGM - SPALL (2FT L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR AT RIGHT SIDE OF BEAM. (PAR)

SPAN 2 DECK - X2 SPALLS (6IN DIAM. X 3/4IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT NEAR END, (SIMILAR X2 AT FAR END).

SPAN 2 BEAM 2, NEAR END DIAPHRAGM - SOUND PATCH (4FT L. X 10IN W.) AT RIGHT SIDE OF BEAM

SPAN 2 DECK - SPALL (6IN DIAM. X 1/2IN D.) WITH EXPOSED REBAR TO BOTTOM OF LEFT OVERHANG 10FT FROM NEAR END

TYPICAL SOUND PATCHING (UP TO 5FT L. X 2FT W.) TO DECK ADJACENT TO BENT 2, SPAN 2 BAY 1 & 2 AT FAR END.

SPAN 2 BEAM 1 - BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 1FT L. AT FAR END

SPAN 3 BEAM 1, NEAR END BEARING - RIGHT ANCHOR NUT MISSING. (PAR)

SPAN 3 BEAM 1 - BOTTOM FLANGE & WEB REPAIR (72IN L. X 6IN H.) AT NEAR END, WITH 2IN DIAM. HOLE AT FAR END OF REPAIR.

SPAN 3 BEAM 1 - WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 3IN H. FOR 6IN H. AT NEAR END DIAPHRAGM. (PAR)

SPAN 2 BEAM 2 - TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 15%, 5/16IN SL, 5/16IN REMAIN AT EDGE) 6IN W. FOR 1FT L. AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. X 2FT L. TO BOTTOM AT FAR END. (PAR)

BENT 2 CAP - DELAM (4FT L. X 6IN W.) WITH 1/8IN OPEN CRACKING TO FAR SIDE AT TOP IN BAY 2. (NOT UNDER BEARING)

SPAN 3 BEAM 3, NEAR BEARING - BOTH ANCHOR NUTS NOT ENGAGED. (BEAM 2 & 4 AT NEAR END SIMILAR)

SPAN 2 BEAM 3 - BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 1FT L. AT FAR END

SPAN 3 BEAM 3 - WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

TYPICAL BEARINGS AT BENT 2, BEAMLINE 4 - MINOR TO MODERATE SCALE & CORROSION

SPAN 2 BEAM 4 - BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/8IN SL, 1/2IN REMAIN) FULL W. FOR 6IN L. AT FAR END

SPAN 3 DECK - SPALLING/DELAM (4.5FT L. X 14IN W. X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT OVERHANG, 2FT FROM NEAR END. (PAR)

SPAN 3 BEAM 4, NEAR END DIAPHRAGM - SPALL (16IN L. X 8IN W. X 2IN D.) WITH EXPOSED & CORRODED REBAR (1/16IN SL) AT RIGHT SIDE OF BEAM. (PAR)

BENT 2 CAP - DELAM (3FT L. X 14IN W.) TO FAR SIDE TOP EDGE IN BAY 3. (NOT UNDER BEARING)

BENT 2 CAP - DELAM (2FT L. X 6IN W.) TO FAR SIDE AT TOP EDGE BELOW BEAM 3. (DOES NOT EXTEND BELOW BEARING)

BENT 2 STEEL CAP AT NEAR SIDE - TAPERED TOP FLANGE SECTION LOSS (UP TO 1/8IN SL, 5/16IN REMAIN AT EDGE) FULL W. FOR 5FT L. BELOW BAY 2.

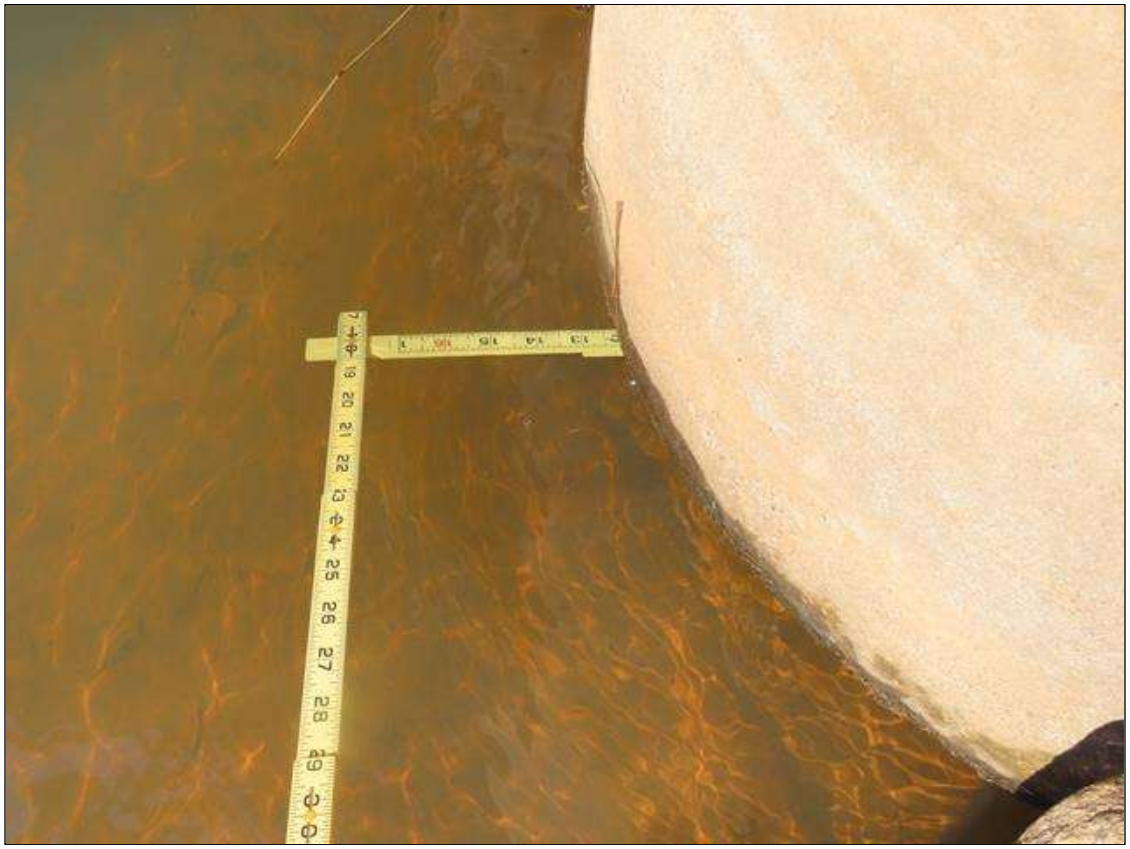
TYPICAL STEEL CAP FLANGE THICKNESS (7/16IN TH.) AT BENT 2, NEAR SIDE. (FAR SIDE STEEL CAP SIMILAR)

BENT 2 STEEL CAP, NEAR SIDE - TOP FLANGE SECTION LOSS (UP TO 1/16IN SL, 3/8IN REMAIN) FULL W. FOR 2.5FT L. BELOW BAY 1

TYPICAL INTERMITTENT MODERATE TO HEAVY SCALE & CORROSION, NO MEASURABLE SECTION LOSS, THROUGHOUT STEEL CAP & BEAMS AT BENT 2, NEAR SIDE BELOW BEAM 2

SPAN 3 DECK - DELAM (3SF) TO BOTTOM OF LEFT OVERHANG AT MID-SPAN

DRIFT (50CUFT) AT FAR SIDE OF BENT 3 AT DOWNSTREAM END



BENT 3 PILE 7 - SCOUR (UP TO 1.1FT D.) AT CONCRETE COLLAR WITH UNDERMINE TO COLLAR (UP TO 12IN D. X 1/2 PERIMETER) AT NEAR SIDE

SPAN 3 DECK - SPALLING (2SF X 1IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF LEFT OVERHANG AT NEAR END

STREAM BANK BELOW SPAN 4 - BANK EROSION (UP TO 6FT H. X 20FT W. X 50FT L.) AT FAR SIDE OF BENT 3

SPAN 4 BEAM 1 - BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

SPAN 4 BEAM 1 - PARTIALLY ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM

BENT 3 CAP - DELAM (10FT L. X 8IN W.) TO NEAR SIDE TOP EDGE STARTING IN BAY 1. (DOES NOT EXTEND BELOW BEARINGS)

BENT 3 CAP - DELAM (4FT L. X 6IN W.) TO FAR SIDE TOP EDGE IN BAY 1 EXTENDING UP TO FAR EDGE OF SPAN 4 BEAM 2 NEAR END BEARING. (PAR)

SPAN 3 BEAM 2 - BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT FAR END, AND WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 12IN L. X 1IN H. TO BOTTOM AT FAR END, SIMILAR WEB SECTION LOSS AT TOP. (PAR)

SPAN 4 BEAM 2 - WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

SPAN 3 & 4 DIAPHRAGMS AT BENT 3, BEAMLINE 2 - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAMS (PAR)

TYPICAL BEARINGS AT BENT 3, BEAMLINE 3 - MINOR TO MODERATE SCALE & CORROSION

BEAMLINE 3 AT BENT 3 - BOTTOM FLANGE & WEB REPAIRS (20IN L. X 6IN H.) WITH 2IN DIAM. HOLE IN WEB AT END OF REPAIR.

SPAN 3 BEAM 3 - ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 2.5IN H. X 2.5FT L. TO BOTTOM AT NEAR END OF REPAIR

BENT 3 CAP - SPALLING/DELAM (40IN L. X 24IN . X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE BELOW BAY 3. (PAR)

BEAMLINE 4 AT BENT 3 - ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H.) AT DIAPHRAGMS. (BEAMLINE 1 AT BENT 4 SIMILAR)

SPAN 3 BEAM 4 - TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 20%, 1/4IN SL, 3/8IN REMAIN AT EDGE) FULL W. FOR 12IN L. AT FAR END

SPAN 4 DECK - X5 SPALLS/DELAM (UP TO 1SF X 1IN D.) WITH EXPOSED & SCALING REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT MID-SPAN

DRIFT (12CUFT) AT LEFT SIDE OF BENT 4 PILE 1

BENT 4 PILE 1 - DECAY/SECTION LOSS (UP TO 4IN D. X 12IN W. X 3FT L.) TO LEFT SIDE STARTING 2FT FROM GROUND. (PAR)

BENT 4 CAP - DELAM (3FT L. X 8IN W.) TO NEAR SIDE AT TOP EDGE IN BAY 1. (NOT UNDER BEARINGS)

SPAN 4 BEAM 2 - BOTTOM FLANGE & WEB REPAIR (28IN L. X 6IN H.) AT FAR END WITH 2IN DIAM. HOLE IN WEB AT NEAR END OF REPAIR

SPAN 5 BEAM 2 - BOTTOM FLANGE & WEB REPAIR (48IN L. X 6IN H.) AT NEAR END WITH 2IN DIAM. HOLE AT FAR END OF REPAIR

SPAN 4 BEAM 2 - ARRESTED WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 2.5IN H. X 2FT L. STARTING 28IN FROM FAR END. (PAR)

SPAN 5 BEAM 2 - WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

SPAN 4 BEAM 2 - ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 5IN L. X 1.5IN W. AT FAR END DIAPHRAGM. (PAR)

TYPICAL BEARINGS AT BENT 4, BEAMLINE 3 - MINOR TO MODERATE SCALE & CORROSION

SPAN 5 BEAM 3 - BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

SPAN 5 BEAM 4 - ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 3IN H. FOR 3FT L. TO BOTTOM AT NEAR END

SPAN 5 BEAM 3 - ARRESTED WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 2IN H. FOR 4FT L. TO BOTTOM AT NEAR END

DRIFT (25CUFT) AT FAR SIDE OF BENT 4 AT PILES 4-7

END BENT 2 CAP - EROSION UNDER CAP (UP TO 24IN D. X 3FT L.) BELOW BEAM 2. (PAR)

END BENT 2 CAP - EROSION UNDER CAP (UP TO 20IN D. X 2FT L.) BELOW BAY 1. (PAR)

END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR PHOTO 1 OF 2)

END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR PHOTO 2 OF 2)

END BENT 2 ABUTMENT - DELAM (1SF) TO BACKWALL AT RIGHT SIDE OF BEAM 3

END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 3FT L.) AT RIGHT SIDE. (PAR)

SPAN 5 DECK - SPALLING (UP TO 12IN DIAM. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG 10FT FROM END BENT 2. (PAR)

Stream Bed Soundings

(Profile diagram on following sheet)

County **LINCOLN** Structure Number: **540007** Inspection Date **03/02/2022**

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

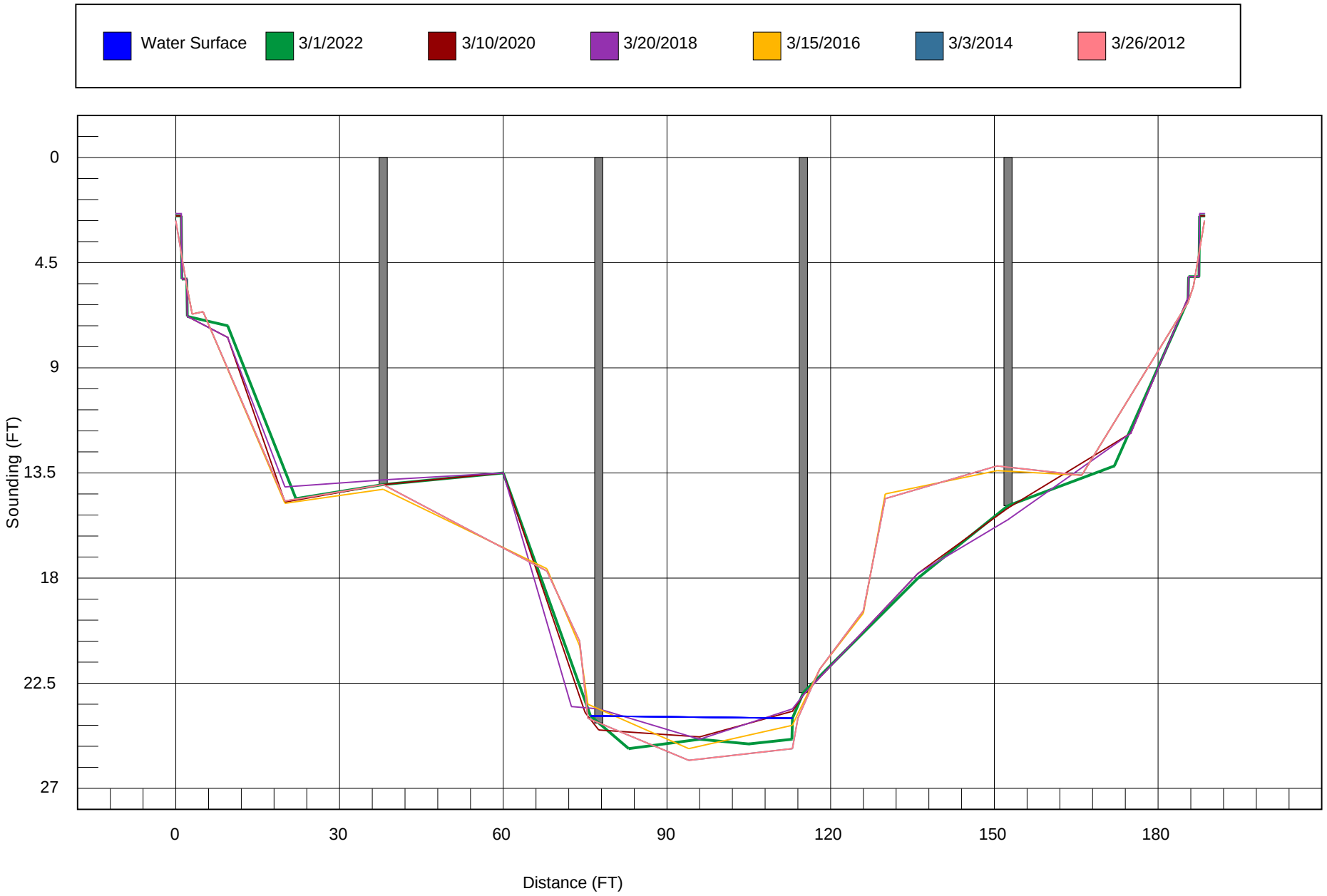
Highwater Mark Distance **14** Location of Highwater Mark **BASE OF END BENT SLOPES**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.500	0.000	FILL FACE
1.000	2.500	0.000	
1.100	5.200	0.000	TOP OF CAP
2.000	5.200	0.000	
2.100	6.800	5.700	FACE OF CAP
9.500	7.200	0.000	
22.000	14.600	0.000	
38.000	14.000	14.400	BENT 1
60.000	13.500	0.000	
76.000	23.900	0.000	WSWE
77.500	24.200	22.300	BENT 2
83.000	25.300	0.000	
96.000	24.900	0.000	
105.000	25.100	0.000	
112.900	24.900	0.000	
113.000	24.000	0.000	WSWE
115.000	22.900	24.400	BENT 3
136.000	18.000	0.000	
152.500	14.900	16.200	BENT4
172.000	13.200	0.000	
185.500	6.100	6.900	FACE OF CAP
185.600	5.100	0.000	
187.500	5.100	0.000	TOP OF CAP
187.600	2.500	0.000	
188.500	2.500	0.000	FILL FACE

Bridge: 540007 County: LINCOLN Date: 03/01/2022

STREAMBED PROFILE (Downstream)

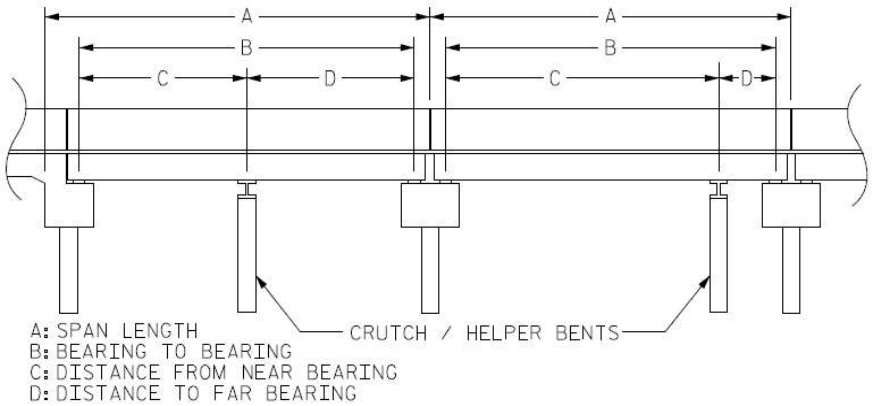
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **LINCOLN** Structure Number: **540007**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	38.000	36.500			
2	37.500	36.500			
3	37.500	36.500			
4	37.500	36.500			
5	38.000	36.500			

LOOKING STATIONS AHEAD, EAST

LOOKING STATIONS BACK, WEST

LOOKING DOWNSTREAM

LOOKING UPSTREAM

UPSTREAM ELELAVTION, LOOKING BACK

DOWNSTREAM ELEVATION, LOOKING BACK

TYPICAL DELINEATOR, NEAR RIGHT (SW)

JOINT OVER BENT 3 (SIMILAR OVER BENT 4)

BRIDGE PLAQUE, FAR LEFT

END BENT 1

TYPICAL WINGWALL, NEAR RIGHT (SW)

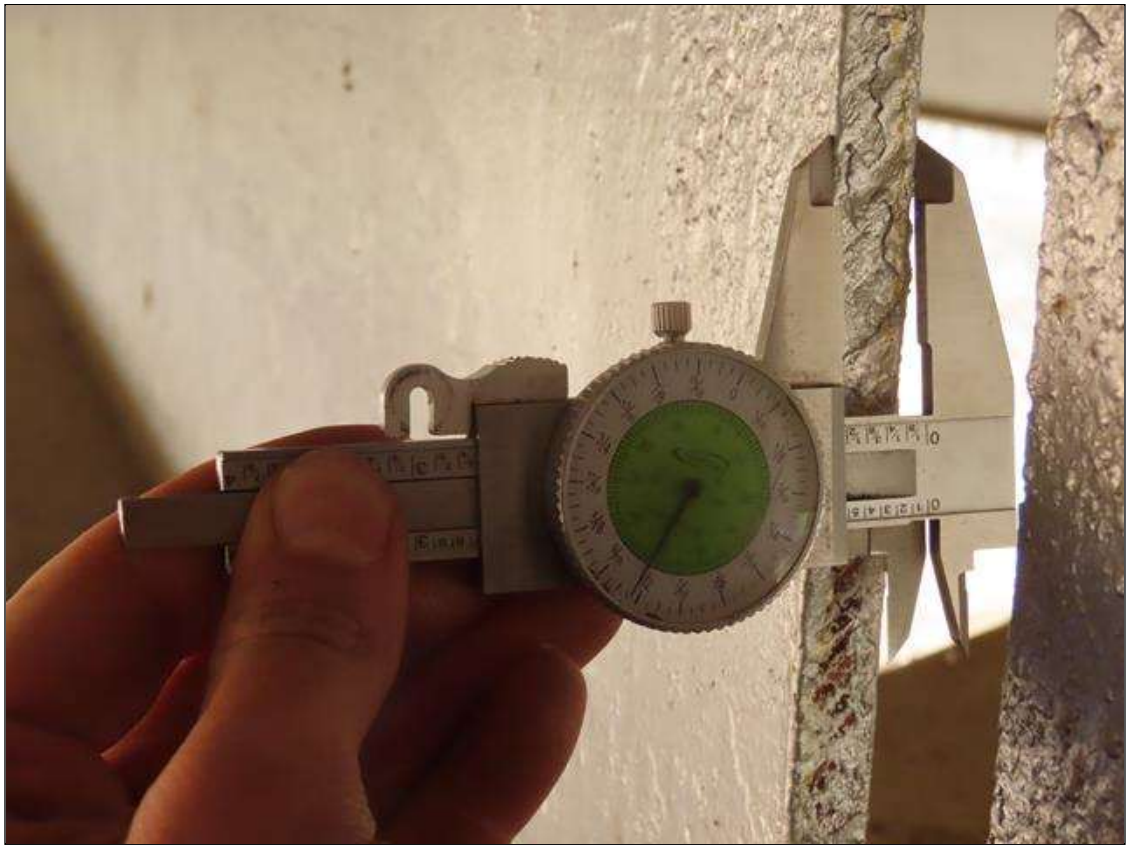
TYPICAL BEARING AT END BENT 1, BEAM 3

BENT 1, NEAR SIDE

TYPICAL SUPERSTRUCTURE, SPAN 2 LOOKING AHEAD

NOMINAL WEB THICKNESS (1/2IN TH.) SPAN 2 BEAM 2

BENT 2, NEAR SIDE



TYPICAL NOMINAL WEB THICKNESS (1/2IN TH.) SPAN 3 BEAM 3

BENT 3, NEAR SIDE

BENT 4, FAR SIDE

END BENT 2

TYPICAL BEARING AT END BENT 2, BEAM 3

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN 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	5	Span 1 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 1/8IN SL TO BOTH SIDES, 6IN L. X 1IN W. AT FAR END DIAPHRAGM, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. FOR 5FT L. TO BOTTOM RIGHT SIDE AT FAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 1/16IN SL TO BOTH SIDES, 4IN L. X 1IN H. AT FAR END DIAPHRAGM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 3: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	8	Span 1 Beam 4: TAPPERED BOTTOM FLANGE SECTION LOSS (UP TO 25%, 3/8IN SL, 1/4IN REMAIN) 8IN W. FOR 8FT L., AND WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) UP TO 10IN H. FOR 8FT L. AT FAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	0	Span 1 Beam 4: FAR END DIAPHRAGM - SPALL (2FT L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR AT RIGHT SIDE OF BEAM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/16IN REMAIN) FULL W. FOR 2FT L. AT NEAR END, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 3FT L. X 3IN H. TO BOTTOM AT NEAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 15%, 5/16IN SL, 5/16IN REMAIN AT EDGE) 6IN W. FOR 1FT L. AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. X 2FT L. TO BOTTOM AT FAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 3IN H. FOR 6IN H. AT NEAR END DIAPHRAGM. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN 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 3 Beam 2: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT FAR END, AND WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 12IN L. X 1IN H. TO BOTTOM AT FAR END, SIMILAR WEB SECTION LOSS AT TOP. (PAR)	
3314	Maintain Steel Superstructure Components	LF	0	Span 3 Beam 2: FAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 3: WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 4: NEAR END DIAPHRAGM - SPALL (16IN L. X 8IN W. X 2IN D.) WITH EXPOSED & CORRODED REBAR (1/16IN SL) AT RIGHT SIDE OF BEAM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 2: NEAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 3: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3326	Maintain Concrete Deck	SF	2	Span 1 Deck: SPALLING (18IN L. X 6IN W. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT FAR END. (PAR)	
3326	Maintain Concrete Deck	SF	5	Span 3 Deck: SPALLING/DELAM (4.5FT L. X 14IN W. X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT OVERHANG, 2FT FROM NEAR END. (PAR)	
3326	Maintain Concrete Deck	SF	2	Span 5 Deck: SPALL/DELAM (2SF X 1/2IN D.) WITH EXPOSED REBAR IN LEFT LANE 18IN FROM NEAR END. (PAR)	
3326	Maintain Concrete Deck	SF	4	Span 5 Deck: SPALLING (UP TO 12IN DIAM. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG 10FT FROM END BENT 2. (PAR)	
3334	Bridge Bearings	EA	1	Span 3 Near Bearing: RIGHT ANCHOR NUT MISSING. (PAR)	
3344	Repair / Replace Timber Substructure Components	LF	2	Bent 1 Pile 3: DELAM/HOLLOW WHEN SOUNDED (20IN L. X 8IN W.) TO NEAR SIDE AT TOP. (PAR)	
3344	Repair / Replace Timber Substructure Components	LF	1	Bent 1 Pile 4: HOLLOW WHEN SOUNDED (5IN H. X FULL PERIMETER) AT TOP. (PAR)	
3344	Repair / Replace Timber Substructure Components	LF	3	Bent 4 Pile 1: DECAY/SECTION LOSS (UP TO 4IN D. X 12IN W. X 3FT L.) TO LEFT SIDE STARTING 2FT FROM GROUND. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	End Bent 1 Cap 1: EROSION UNDER CAP (2FT L. X 30IN D.) BELOW BAY 3. (PAR)	
3348	Maintain Concrete Substructure Components	LF	3	Bent 1 Cap 1: SPALL (30IN L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE OVER PILE 3. (PAR)	
3348	Maintain Concrete Substructure Components	LF	2	Bent 1 Cap 1: SPALLED PATCH (16IN L. X 12IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO FAR RIGHT CORNER AT BOTTOM. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3348	Maintain Concrete Substructure Components	LF	0	End Bent 2 Cap 1: EROSION UNDER CAP (UP TO 24IN D. X 3FT L.) BELOW BEAM 2, AND EROSION UNDER CAP (UP TO 20IN D. X 2FT L.) BELOW BAY 1. (PAR)	
3348	Maintain Concrete Substructure Components	LF	4	Bent 3 Cap 1: DELAM (4FT L. X 6IN W.) TO FAR SIDE TOP EDGE IN BAY 1 EXTENDING UP TO FAR EDGE OF SPAN 4 BEAM 2 NEAR END BEARING. (PAR)	
3348	Maintain Concrete Substructure Components	LF	4	Bent 3 Cap 1: SPALLING/DELAM (40IN L. X 24IN . X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE BELOW BAY 3. (PAR)	
3352	Maint Slope Protection	SF	9	END BENT 1 SLOPE PROTECTION - SPALLED/BROKEN AREA (3FT L. X 3FT W.) WITH EROSION (UP TO 2FT D.) UNDER CONCRETE SLOPE PROTECTION AROUND BROKEN AREA, BELOW BAY 4. (PAR)	
3352	Maint Slope Protection	SF	42	END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR) END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 3FT L.) AT RIGHT SIDE. (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 2.5IN H. X 2FT L. STARTING 28IN FROM FAR END. (PAR)	
3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 5IN L. X 1.5IN W. AT FAR END DIAPHRAGM. (PAR)	
3326	Maintain Concrete Deck	SF	4	Span 5 Deck: INTERMITTENT SPALLING/DELAM (UP TO 12IN L. X 5IN W. X 1/2IN D.) WITH EXPOSED REBAR TO TOP OF DECK THROUGHOUT FAR END. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 1 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 1/8IN SL TO BOTH SIDES, 6IN L. X 1IN W. AT FAR END DIAPHRAGM, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. FOR 5FT L. TO BOTTOM RIGHT SIDE AT FAR END. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 1 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 1/16IN SL TO BOTH SIDES, 4IN L. X 1IN H. AT FAR END DIAPHRAGM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 1 Beam 3: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN W. AT FAR END DIAPHRAGM. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	8 LF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 1 Beam 4: TAPPERED BOTTOM FLANGE SECTION LOSS (UP TO 25%, 3/8IN SL, 1/4IN REMAIN) 8IN W. FOR 8FT L., AND WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) UP TO 10IN H. FOR 8FT L. AT FAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 1 Beam 4: FAR END DIAPHRAGM - SPALL (2FT L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR AT RIGHT SIDE OF BEAM. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 2 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 10%, 1/16IN SL, 9/16IN REMAIN) FULL W. FOR 2FT L. AT NEAR END, AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 3FT L. X 3IN H. TO BOTTOM AT NEAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 2 Beam 2: TAPERED BOTTOM FLANGE SECTION LOSS (UP TO 15%, 5/16IN SL, 5/16IN REMAIN AT EDGE) 6IN W. FOR 1FT L. AND ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 4IN H. X 2FT L. TO BOTTOM AT FAR END. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Beam 1: WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 3IN H. FOR 6IN H. AT NEAR END DIAPHRAGM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Beam 2: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT FAR END, AND WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 12IN L. X 1IN H. TO BOTTOM AT FAR END, SIMILAR WEB SECTION LOSS AT TOP. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Beam 2: FAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Beam 3: WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Beam 4: NEAR END DIAPHRAGM - SPALL (16IN L. X 8IN W. X 2IN D.) WITH EXPOSED & CORRODED REBAR (1/16IN SL) AT RIGHT SIDE OF BEAM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 4 Beam 1: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 4 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 4 Beam 2: NEAR END DIAPHRAGM - SPALLING (16IN L. X 6IN W. X 2IN D.) WITH EXPOSED & CORRODDED (1/16IN SL) REBAR AT LEFT SIDE OF BEAM (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 5 Beam 2: WEB SECTION LOSS (UP TO 1/8IN SL, 3/8IN REMAIN) 6IN L. X 1IN H. AT NEAR END DIAPHRAGM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 5 Beam 3: BOTTOM FLANGE SECTION LOSS (UP TO 30%, 3/16IN SL, 7/16IN REMAIN) FULL W. FOR 6IN L. AT NEAR END. (PAR)

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	2 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 1 Deck: SPALLING (18IN L. X 6IN W. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG AT FAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	5 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 3 Deck: SPALLING/DELAM (4.5FT L. X 14IN W. X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT OVERHANG, 2FT FROM NEAR END. (PAR)

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	2 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 5 Deck: SPALL/DELAM (2SF X 1/2IN D.) WITH EXPOSED REBAR IN LEFT LANE 18IN FROM NEAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	4 SF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 5 Deck: SPALLING (UP TO 12IN DIAM. X 1IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO BOTTOM OF RIGHT SIDE OVERHANG 10FT FROM END BENT 2. (PAR)

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 3 Near Bearing: RIGHT ANCHOR NUT MISSING. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Bent 1 Pile 3: DELAM/HOLLOW WHEN SOUNDED (20IN L. X 8IN W.) TO NEAR SIDE AT TOP. (PAR)

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Bent 1 Pile 4: HOLLOW WHEN SOUNDED (5IN H. X FULL PERIMETER) AT TOP. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	3 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Bent 4 Pile 1: DECAY/SECTION LOSS (UP TO 4IN D. X 12IN W. X 3FT L.) TO LEFT SIDE STARTING 2FT FROM GROUND. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
End Bent 1 Cap 1: EROSION UNDER CAP (2FT L. X 30IN D.) BELOW BAY 3. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Bent 1 Cap 1: SPALL (30IN L. X 8IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE OVER PILE 3. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Bent 1 Cap 1: SPALLED PATCH (16IN L. X 12IN W. X 2.5IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO FAR RIGHT CORNER AT BOTTOM. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

End Bent 2 Cap 1: EROSION UNDER CAP (UP TO 24IN D. X 3FT L.) BELOW BEAM 2, AND EROSION UNDER CAP (UP TO 20IN D. X 2FT L.) BELOW BAY 1. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF

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

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Bent 3 Cap 1: DELAM (4FT L. X 6IN W.) TO FAR SIDE TOP EDGE IN BAY 1 EXTENDING UP TO FAR EDGE OF SPAN 4 BEAM 2 NEAR END BEARING. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Bent 3 Cap 1: SPALLING/DELAM (40IN L. X 24IN . X 2IN D.) WITH EXPOSED & CORRODED (1/16IN SL) REBAR TO NEAR SIDE BELOW BAY 3. (PAR)

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	9 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

END BENT 1 SLOPE PROTECTION - SPALLED/BROKEN AREA (3FT L. X 3FT W.) WITH EROSION (UP TO 2FT D.)
UNDER CONCRETE SLOPE PROTECTION AROUND BROKEN AREA, BELOW BAY 4. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	42 SF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 4FT L.) AT LEFT SIDE. (PAR) END BENT 2 SLOPE PROTECTION - EROSION UNDER CONCRETE SLOPE PROTECTION (6FT W. X 3FT L.) AT RIGHT SIDE. (PAR)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details
Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 1/4IN SL, 1/4IN REMAIN) 2.5IN H. X 2FT L. STARTING 28IN FROM FAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540007 County LINCOLN

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	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 4 Beam 2: ARRESTED WEB SECTION LOSS (UP TO 3/16IN SL, 5/16IN REMAIN) 5IN L. X 1.5IN W. AT FAR END DIAPHRAGM. (PAR)

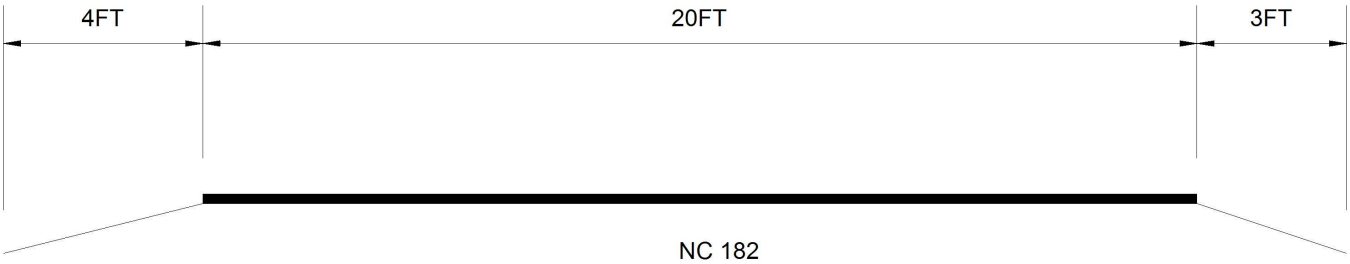
MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	4 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
03/01/2022	SHAWN AUSEL	

Details

Span 5 Deck: INTERMITTENT SPALLING/DELAM (UP TO 12IN L. X 5IN W. X 1/2IN D.) WITH EXPOSED REBAR TO TOP OF DECK THROUGHOUT FAR END. (PAR)

Bridge Inspection Field Sketch



MEASUREMENTS TAKEN 130FT FROM NEAR END OF BRIDGE

Roadway	20ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	3ft Wide		3ft Unpaved
Left Guardrail			
Right Guardrail			

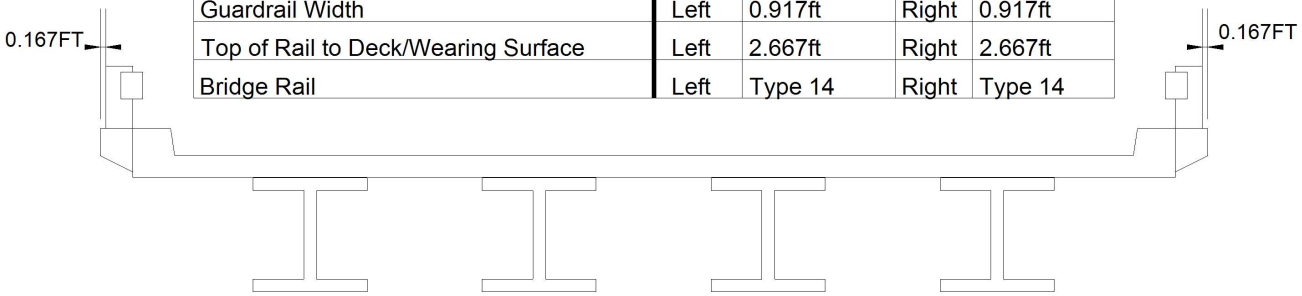
VERIFIED 3/1/2022 TSA & MWR
MODIFIED ON 3/10/2020 BY RS

Title	**Description**
APPROACH	LOOKING EAST

Bridge No: 540007	**Drawn By:** DJA	**Date:** 03/03/2008	**File Name:** S0142000697

Bridge Inspection Field Sketch

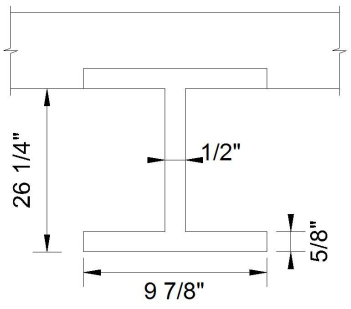
Deck Width/Out to Out	28.25ft	Between Rails			26.083ft
Clear Roadway	24ft [1]	Wearing Surface			
Median Width		Median Height			
Curb Height		Left	0.792ft	Right	0.792ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	0.917ft	Right	0.917ft
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.667ft
Bridge Rail		Left	Type 14	Right	Type 14



Measurements for Span #	1		
Deck Thickness	0.542	Left Overhang	4
Top of Rail to Bottom of Beam	5.4	Right Overhang	4

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	6.75ft	
2	Steel I Beam	6.75ft	
3	Steel I Beam	6.75ft	
4	Steel I Beam	ft	

[1] MEASUREMENT TAKEN FROM CURB TO CURB



ALL BEAMS

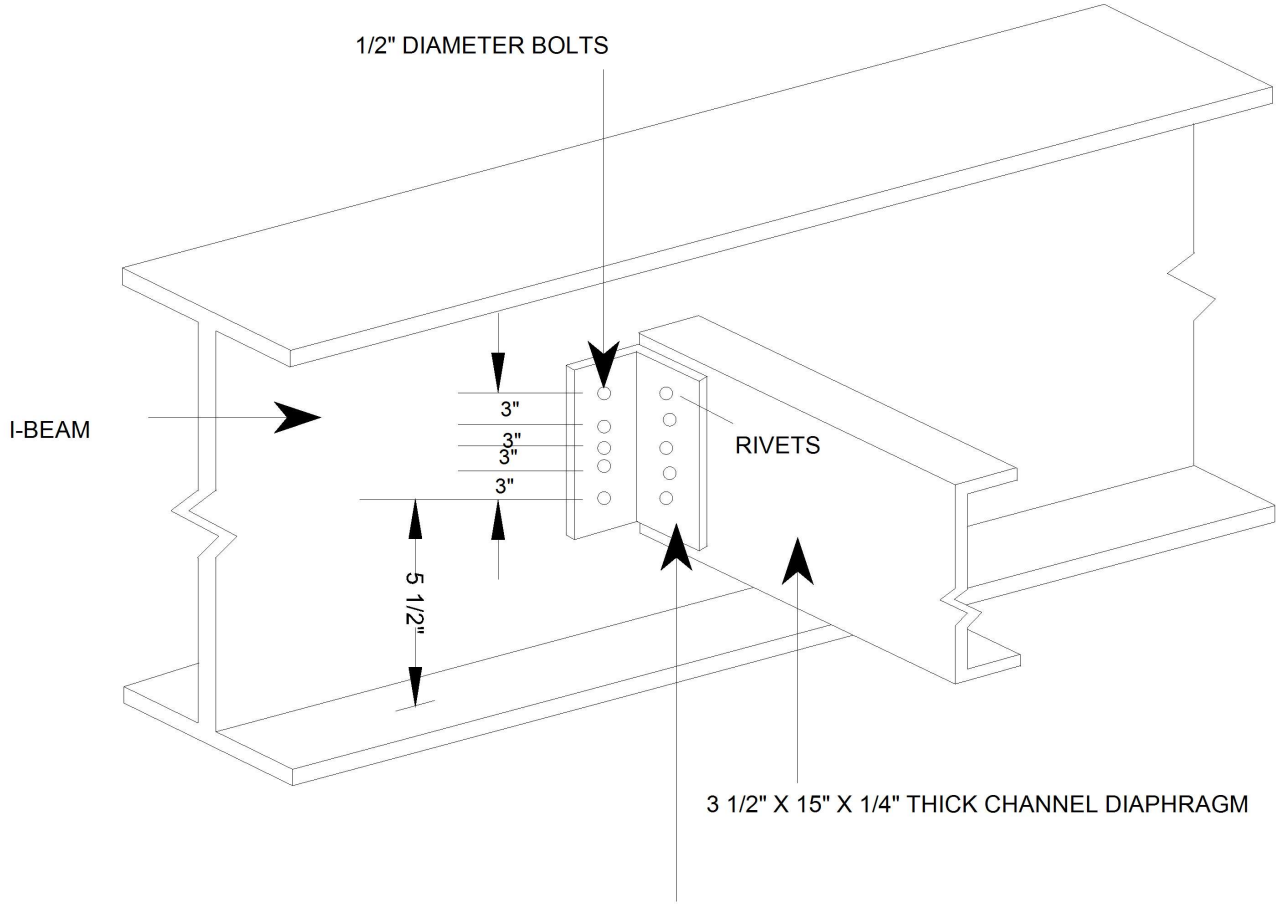
REVISED 3/1/2022 TSA & MWR

Title	Description
DECK SECTION	TOP AND BOTTOM DETAILS

Bridge No:	Drawn By:	Date:	File Name:
540007	DJA	03/03/2008	S0142000698

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

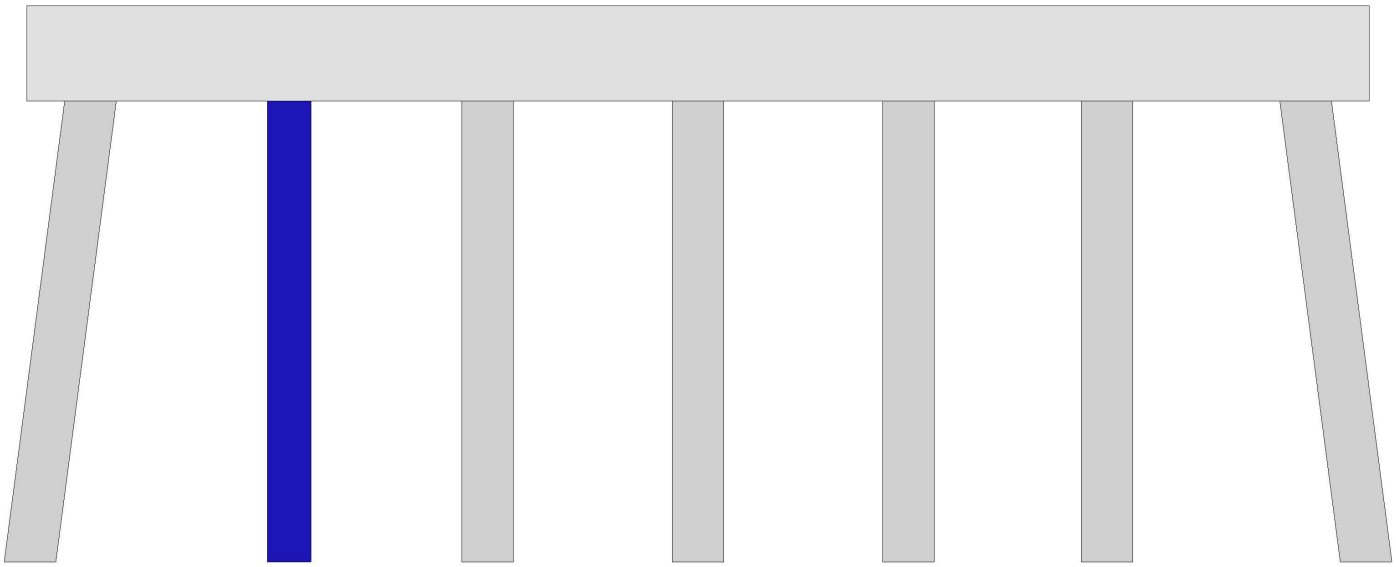


VERIFIED 3/1/2022 TSA & MWR
VERIFIED ON 3/10/2020 BY RS

Title	**Description**
DIAPHS.	DETAILS

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
540007	DEREK RICKUS	3/26/2012	S0142001749

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
28.167 ft.	2.417 ft.	2.000 ft.	1.333 ft.	1.333 ft.	2.833 ft.	1.500 ft.

Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	4.167 ft.	1.083 ft.			Battered	Yes	No	No	No
2	Timber	4.167 ft.	0.917 ft.			Vertical	Yes	Yes	No	No
3	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
4	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
5	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
6	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
7	Timber		1.083 ft.			Battered	Yes	No	No	No

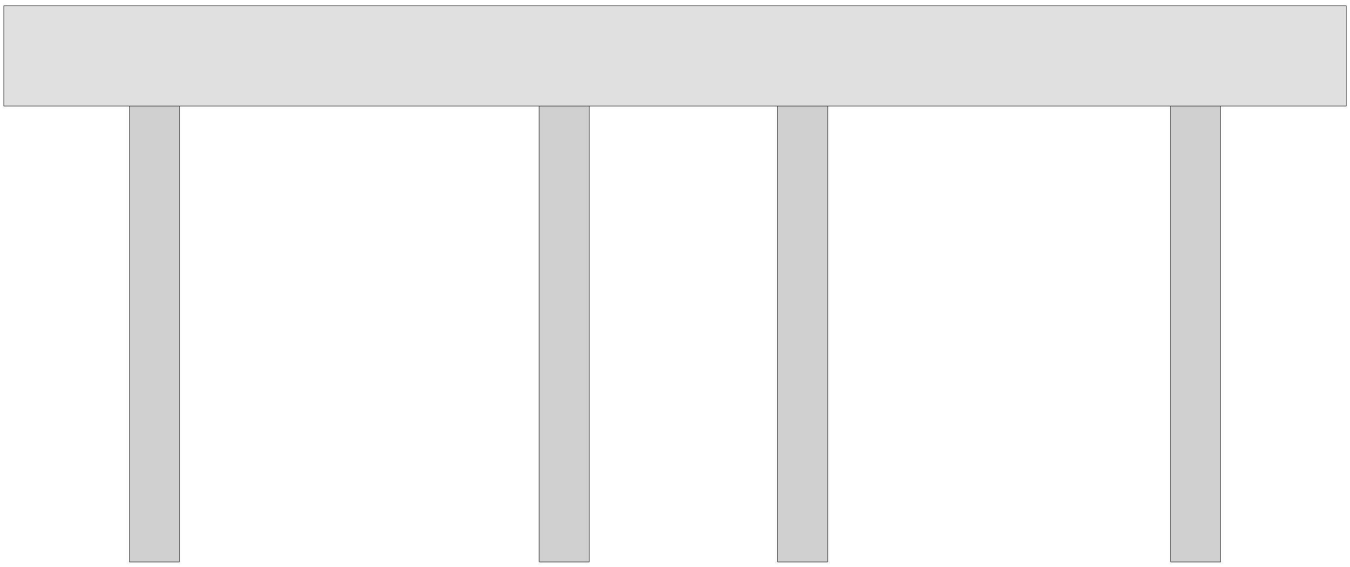
REVISED 3/1/2022 TSA & MWR

Bent/Abutment #: 1 Similar Bents:

Title	**Description**
BENT 1	SUBSTRUCTUR DETAILS

Bridge No: 540007	**Drawn By:** DJA	**Date:** 3/3/2008	**File Name:** S0146031451

Bridge Inspection Field Sketch



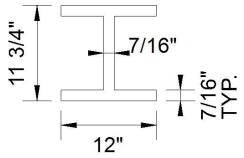
Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
26.750 ft.	2.417 ft.	2.000 ft.	3.000 ft.	3.000 ft.	2.833 ft.	1.500 ft.

Subcap Information			Material Steel		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
28.917 ft.	1.000 ft.	.990 ft.	3.667 ft.	4.500 ft.	

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	8.167 ft.	1 ft.	0.979 ft.		Vertical	Yes	No	No	No
2	Steel	4.75 ft.	1 ft.	0.979 ft.		Vertical	Yes	No	No	No
3	Steel	7.833 ft.	1 ft.	0.979 ft.		Vertical	Yes	No	No	No
4	Steel		1 ft.	0.979 ft.		Vertical	Yes	No	No	No

NOTE: SEE BENT 2 REPAIR SKETCH FOR ADDITIONAL DETAILS.



ALL PILES

VERIFIED 3/1/2022 TSA & MWR
VERIFIED ON 3/10/2020 BY RS

Bent/Abutment #: 2 Similar Bents:

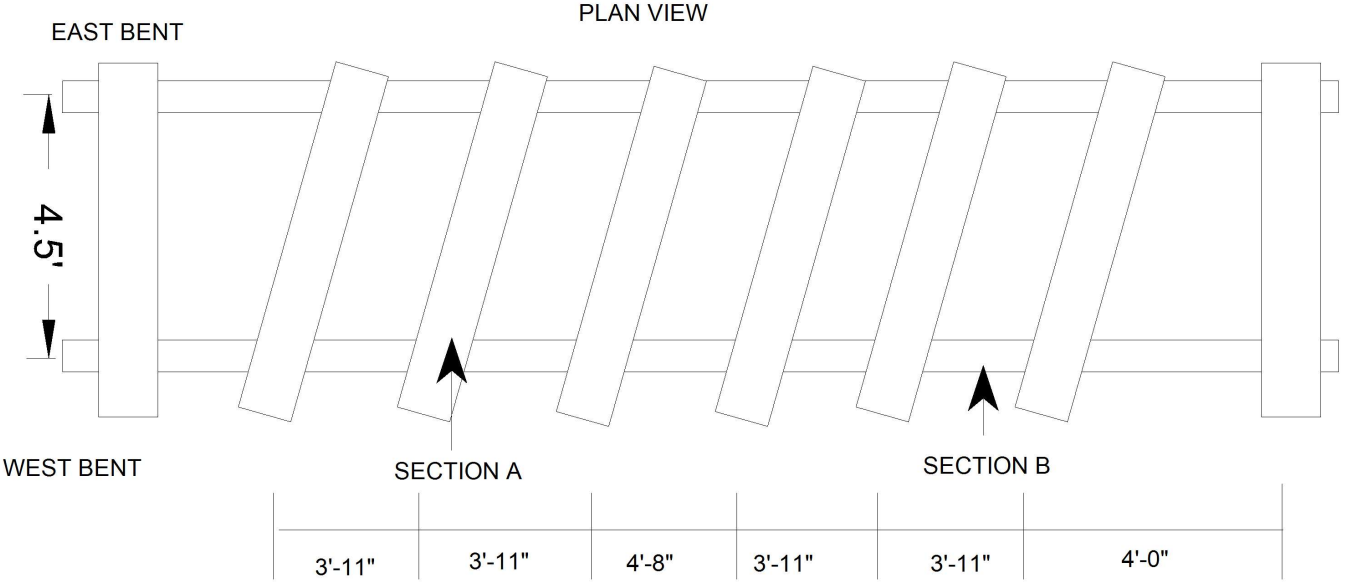
Title	**Description**
BENT #2	PILE DETAILS

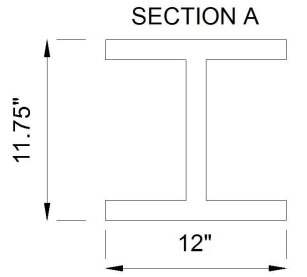
Bridge No: 540007	**Drawn By:** DJA	**Date:** 3/3/2008	**File Name:** S0146031452

Bridge Inspection Field Sketch

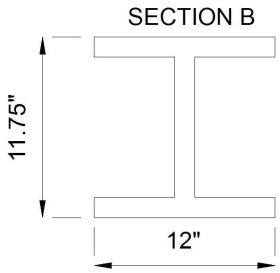
DOUBLE STEEL PILES AND CAPS PLACED AT BENT 2

PLAN VIEW

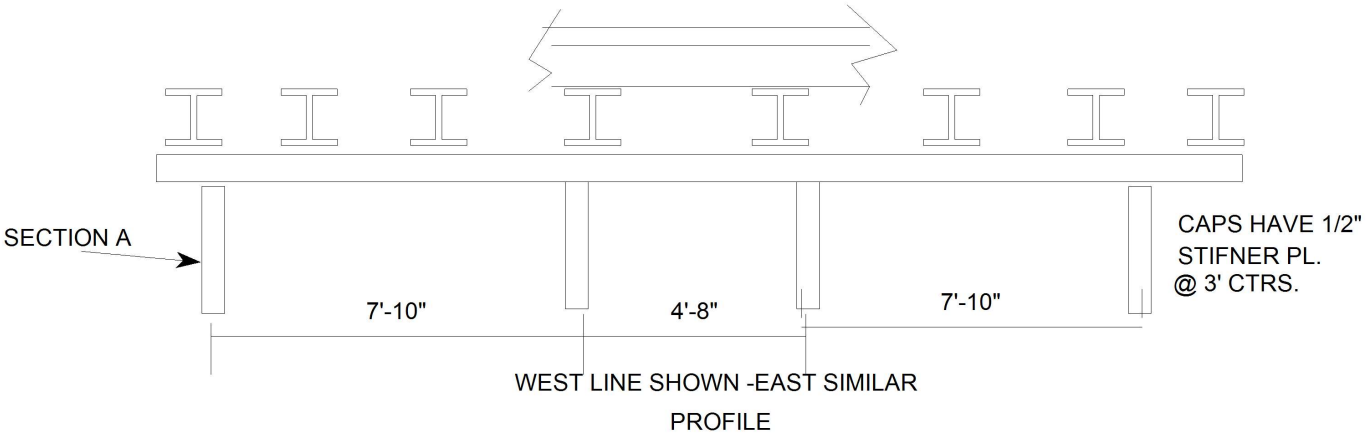




FLG. & WEB THICKNESS= 7/16"



FLG. & WEB THICKNESS= 7/16"



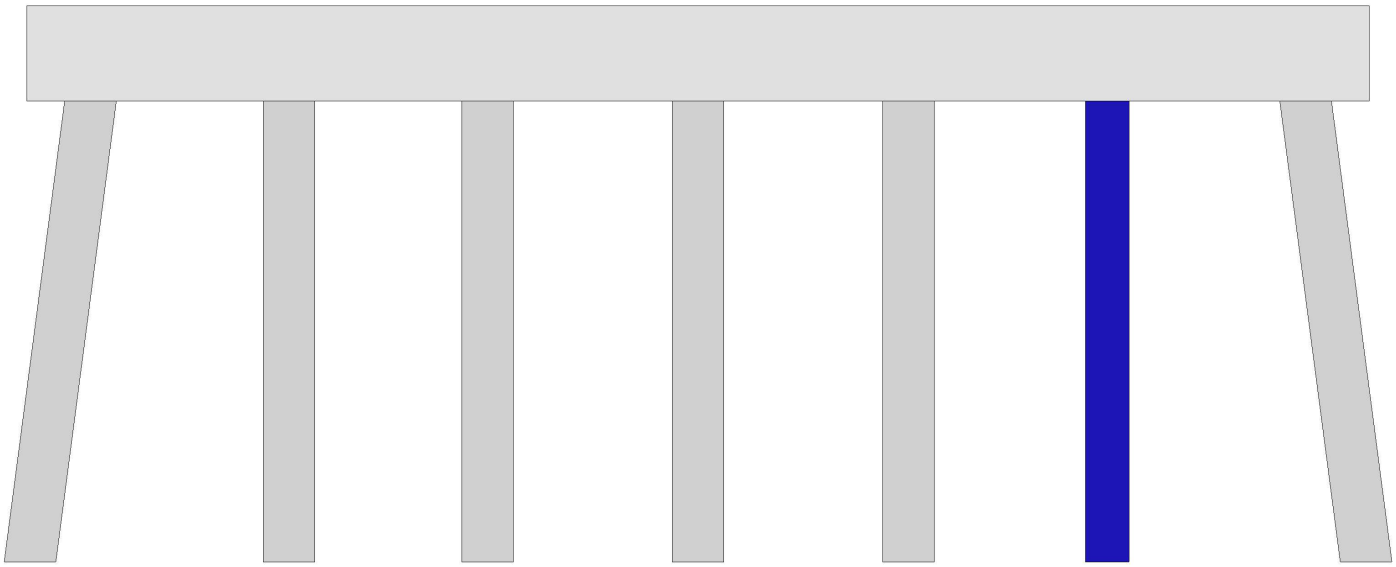
PROFILE

VERIFIED 3/1/2022 TSA & MWR
VERIFIED ON 3/10/2020 BY RS

Title	Description
BENT 2	PAST REPAIR TO BENT 2

Bridge No:	Drawn By:	Date:	File Name:
540007	DJA	03/03/2008	S0142000699

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
28.167 ft.	2.417 ft.	2.000 ft.	1.333 ft.	1.333 ft.	2.833 ft.	2.833 ft.

Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	

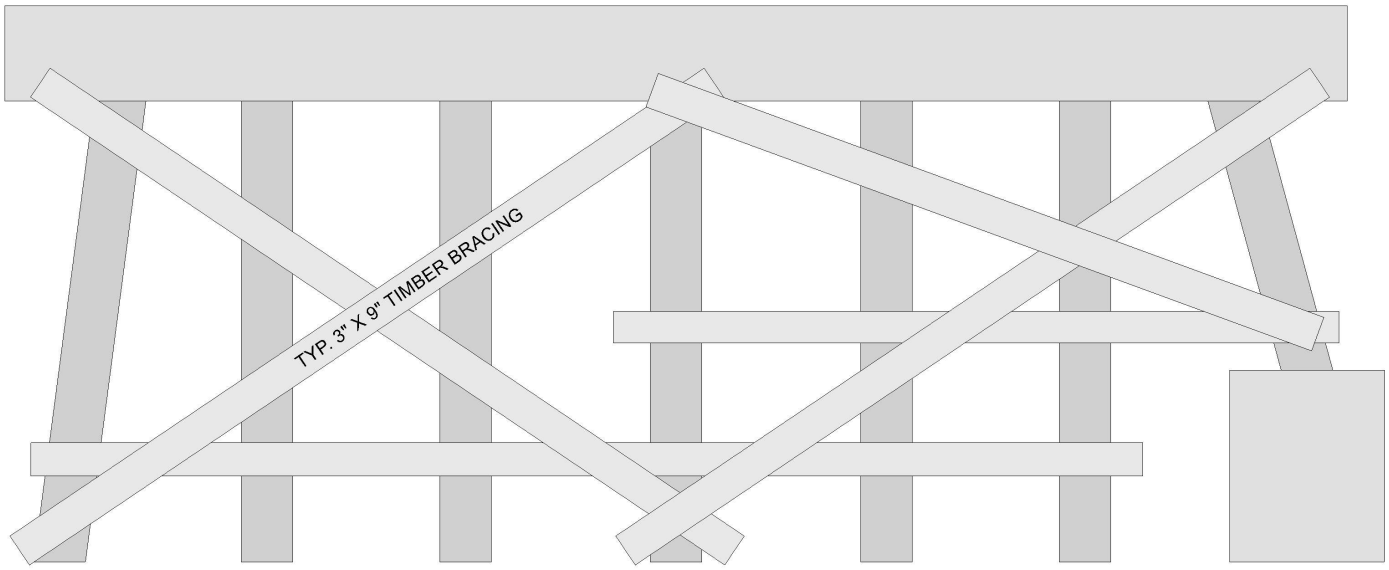
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	4.167 ft.	1.083 ft.			Battered	Yes	No	No	No
2	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
3	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
4	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
5	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
6	Timber	4.167 ft.	0.917 ft.			Vertical	Yes	Yes	No	No
7	Timber		1.083 ft.			Battered	Yes	No	No	No

Bent/Abutment #: 4 Similar Bents:

Title	**Description**
BENT 4	SUBSTRUCTURE DETAILS

Bridge No: 540007	**Drawn By:** TSA	**Date:** 3/4/2022	**File Name:** S0690000158

Bridge Inspection Field Sketch



Cap Information Material Cast-in-Place Concrete

Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
28.167 ft.	2.417 ft.	2.000 ft.	1.333 ft.	1.333 ft.	2.833 ft.	1.500 ft.

Subcap Information Material

Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information Material

Length	Width	Height

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	4.167 ft.	1.083 ft.			Battered	Yes	No	No	No
2	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
3	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
4	Timber	4.417 ft.	1.083 ft.			Vertical	Yes	No	No	No
5	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
6	Timber	4.167 ft.	1.083 ft.			Vertical	Yes	No	No	No
7	Timber		1.083 ft.			Battered	Yes	No	No	Yes

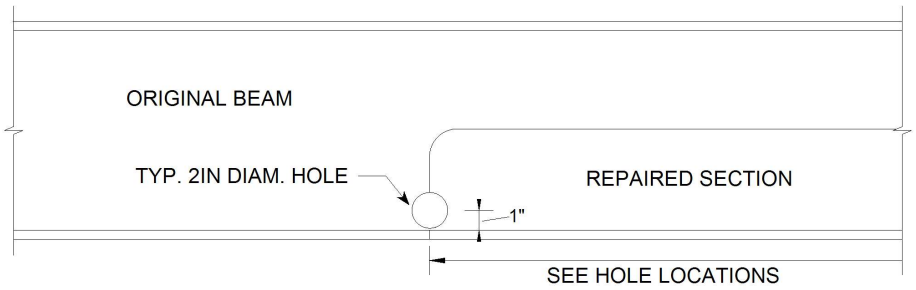
Bent/Abutment #: 3 Similar Bents:

Title	**Description**
BENT 3	SUBSTRUCTURE DETAILS

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
540007	TSA	3/4/2022	S0690000159

Bridge Inspection Field Sketch

TYP. HOLE IN BEAM WEBS AT END OF REPAIRED SECTION



HOLE LOCATIONS

SPAN 3 BEAM 1 - 72IN FROM NEAR END
SPAN 3 BEAM 3 - 20IN FROM FAR END
SPAN 4 BEAM 3 - 20IN FROM NEAR END
SPAN 4 BEAM 2 - 28IN FROM FAR END
SPAN 5 BEAM 2 - 48IN FROM NEAR END

Title	**Description**
BEAM HOLES	HOLES AT END OF REPAIR PLATES

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
540007	TSA	3/4/2022	S0690000160