



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **NEWLY STRUCTURAL DEFICIENT. PARS ISSUED:
 BENT COLUMNS AND BENT LATERAL BRACING.
 CHANGES TO APPROACH ROADWAY AND TYPICAL
 SECTION SKETCHES**

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 06/20/2019

DIVISION: 3 COUNTY: BRUNSWICK STRUCTURE NUMBER: 090015 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC179 BUS MILE POST: _____

LOCATION: 1.4 MI. E. JCT. SR 1165

FEATURE INTERSECTED: CALABASH RIVER

LATITUDE: 33° 53' 22.64" LONGITUDE: 78° 32' 58"

SUPERSTRUCTURE: PPC CORED SLAB

SUBSTRUCTURE: E.BTS&INT.BTS:PPC CAPS/STEEL PILES

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

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

NBI GRADES: DECK 6 SUPERSTRUCTURE 7 SUBSTRUCTURE 4 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: _____



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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS NO PLANS

LOOKING STATIONS AHEAD - EAST

INSPECTED BY SHAWN AUSEL	SIGNATURE 	ASSISTED BY MASON BUMGARDNER
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Structure Element Scoring

Structure Number: 090015

Inspection Date 6/20/2019

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
15	0	Prestressed Concrete Top Flange	Beam	8470	8470	0	0	0
104	0	Prestressed Concrete Closed Web/Box Gir	Beam	3080	3072	6	2	0
216	0	Timber Abutment	Abutments	80	36	4	40	0
225	0	Steel Pile	Piles and Columns	48	0	0	7	41
515	225	Steel Protective Coating	Piles and Columns	5592	3972	0	1620	0
233	0	Prestressed Concrete Pier Cap	Caps	264	177	2	85	0
301	0	Pourable Joint Seal	Expansion Joints	186	186	0	0	0
316	0	Other Bearings	Bearing Device	154	154	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	564	558	6	0	0
515	330	Steel Protective Coating	Bridge Rail	564	549	0	15	0
510	0	Wearing Surface	Wearing Surfaces	8232	507	7680	45	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 090015

Inspection Date: 06/20/2019

MMS Code	Element Name	Defect Name	Recommended Quantity
3306	Prestressed Concrete Closed Web/Box	Delamination/Spall	8 Feet
3346	Timber Abutment	Decay/Section Loss	44 Feet
3354	Steel Pile	Corrosion	179 Each
3348	Prestressed Concrete Pier Cap	Exposed Prestressing	2 Feet
3348	Prestressed Concrete Pier Cap	Delamination/Spall	85 Feet
3322	Metal Bridge Railing	Damage	3 Feet
2816	Wearing Surface	Crack (Wearing Surface)	725 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1620 Square Feet

Element Structure Maintenance Quantities

Structure Number: 090015

Inspection Date 06/20/2019

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	44	80	0	40	4	36
Beam	3306	Maintenance Concrete Superstructure Components	8	3080	0	2	6	3072
Beam	3326	Maintenance of Concrete Deck	0	8470	0	0	0	8470
Bearing Device	3334	Bridge Bearing	0	154	0	0	0	154
Bridge Rail	3322	Maintenance of Steel Bridge Rail	4	564	0	0	6	558
Bridge Rail	3342	Clean and Paint Steel	15	564	0	15	0	549
Caps	3348	Maintenance of Concrete Substructure	87	264	0	85	2	177
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	186	0	0	0	186
Piles and Columns	3342	Clean and Paint Steel	1620	5592	0	1620	0	3972
Piles and Columns	3354	Maintenance of Steel Substructure Components	179	48	41	7	0	0
Wearing Surfaces	2816	Asphalt Surface Repair	725	8232	0	45	7680	507

Element Condition and Maintenance Data

Structure Number: 090015

Inspection Date: 06/20/2019

Span 1 **Wearing Surface**
Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,181	81	1,100	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	100	100	Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT.	2	1,000		Square Feet

General Comments

Span 1 **Left Bridge Rail**
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	41	0	0	0	Feet
515	Steel Protective Coating	41	41	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 1 **Right Bridge Rail**
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	38	3	0	0	Feet
515	Steel Protective Coating	41	26	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 1 **Slab 1**
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 1 Slab 11

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	SPALL (9IN H X 3IN W) AT FAR END ON RIGHT SIDE	3	1	1	Feet

General Comments

Span 2 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,174	69	1,100	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	OPEN LONGITUDINAL CRACK (1/8IN X 5FT) CENTER OF SPAN IN RIGHT LANE	3	5	5	Square Feet
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	100	100	Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000		Square Feet

General Comments

Span 2 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	37	3	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	DAMAGE (3' LONG) IN NORTH RAIL SPAN 2	2	3	3	Feet

General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 2 Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	40	0	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 2 Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
104	Delamination/Spall	SPALL (6IN H X 3IN W) AT NEAR LEFT END	3	1	1 Feet

General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 2 Slab 2

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
104	Delamination/Spall	SLAB 2 UNDERSIDE IN SPAN 2, 4' FROM BENT 2 SPALLED AREA 4" LONG X 2" WIDE X 1" DEEP	2	1	1 Feet

General Comments

Span 2 Slab 3

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
104	Delamination/Spall	SLAB 3 UNDERSIDE IN SPAN 2, 6' FROM BENT 2 SPALLED AREA 10" LONG X 2" WIDE X 1" DEEP	2	1	1 Feet

General Comments

Span 2 Slab 6

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
104	Delamination/Spall	MINOR DELAMINATION (5IN X 5IN) AT RIGHT SIDE AT MID-SPAN.	2	1	1 Feet

General Comments

Span 3 Wearing Surface
Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,174	74	1,100	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	100	100 Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000	Square Feet

General Comments

Span 3 Left Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	40	40	0	0	0 Feet
515	Steel Protective Coating	40	40	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
BRIDGE RAIL PAINTED SINCE LAST INSPECTION					

Span 3 Right Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	40	40	0	0	0 Feet
515	Steel Protective Coating	40	40	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
BRIDGE RAIL PAINTED SINCE LAST INSPECTION					

Span 3 Slab 1
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH					

Span 3 Slab 4
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	SLAB 4 UNDERSIDE IN SPAN 3, 6' FROM BENT 3 SPALLED AREA 10" LONG X 5" WIDE X 1" DEEP	2	1	1	Feet

General Comments

Span 3 Slab 5
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	SLAB 5 UNDERSIDE IN SPAN 3, 4' FROM BENT 3 SPALLED AREA 10" LONG X 2" WIDE X 1" DEEP.	2	1	1	Feet

General Comments

Span 4 Wearing Surface
Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,174	74	1,100	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	100	100	Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000		Square Feet

General Comments

Span 4 Left Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	40	0	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 4 Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	40	0	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 4 Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 5 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,174	54	1,080	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	FULL LENGTH OPEN LONGITUDINAL CRACK (1/4IN), 2.5FT FROM RIGHT LINE	3	40	40 Square Feet
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	80	80 Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000	Square Feet

General Comments

Span 5 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	40	0	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 5 Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	40	40	0	0	0 Feet
515	Steel Protective Coating	40	40	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 5 Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 6 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,174	74	1,100	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE. HALF LENGTH HAIRLINE CRACK IN FAR HALF OF SPAN	2	100	100 Square Feet
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000	Square Feet

General Comments

Span 6 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	40	40	0	0	0 Feet
515	Steel Protective Coating	40	40	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 6 Right Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	40	0	0	0	Feet
515	Steel Protective Coating	40	40	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 6 Slab 1
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 6 Slab 8
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
104	Delamination/Spall	SPALLED AREA (1' LONG X 5" WIDE X .5' DEEP) 15' FROM BENT 6 IN SLAB 8 UNDERSIDE IN SPAN 6	2	1	1

General Comments

Span 7 Wearing Surface
Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,181	81	1,100	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	SCATTERED LONGITUDINAL CRACKING / MAP CRACKING IN ASPHALT WEARING SURFACE UP TO 1/16" WIDE	2	100	100
510	Effectiveness (Wearing Surface)	MODERATE TO HEAVY WEAR THROUGHOUT	2	1,000	

General Comments

Span 7 Left Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	41	41	0	0	0 Feet
515	Steel Protective Coating	41	41	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 7 Right Bridge Rail
Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	41	41	0	0	0 Feet
515	Steel Protective Coating	41	41	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 7 Slab 1
Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	110	110	0	0	0 Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	40	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

End Bent 1 Cap 1
Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
233	Prestressed Concrete Pier Cap	33	29	0	4	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Delamination/Spall	SPALLS (14IN X 3IN X 1IN) TO BOTTOM OF CAP AT COLUMNS 1 & 6.	3	4	4 Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2	Feet

General Comments

Bent 1 Cap 1
Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
233	Prestressed Concrete Pier Cap	33	21	0	12	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Delamination/Spall	SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS.	3	12	12 Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP.	1	2	Feet

General Comments

Bent 1 Pile 1
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING TO FAR FLANGES EDGES (50% SECTION LOSS), 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 1 Pile 2
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	UP TO 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 1 Pile 3
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING TO NEAR RIGHT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT OTHER FLANGES. (PAR)	4	1	2 Each

515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30	Square Feet
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General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 1 Pile 4
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	100% TAPERED SECTION LOSS (2IN W X 3 IN L) AT FAR LEFT FLANGE, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 1 Pile 5
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	3/8IN SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE, 1/4IN SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 1 Pile 6
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	112	0	30	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING ON LEFT FLANGE EDGES. 1/4IN SECTION LOSS 1/4IN REMAINING AT FAR RIGHT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT NEAR RIGHT. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	30	30 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

End Bent 1 Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
216	Timber Abutment	40	36	4	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	DECAYED AND MISSING BOARDS AT THE SOUTHWEST EXTERIOR BULKHEAD. DECAY @ END OF BOARD (MID PORTION) @ NORTH END OF END BENT 2 BULK HEAD	2	4	4 Feet

General Comments

End Bent 1 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO FLANGE EDGES. 50% SECTION LOSS TO TOP OF WEB. (PAR)	4	1	1 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10 Square Feet

General Comments

End Bent 1 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	100% SECTION LOSS TO RIGHT FLANGE EDGES (UP TO 6IN H X 2IN W) 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO LEFT FLANGE EDGES. (PAR)	4	1	1 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10 Square Feet

General Comments

End Bent 1 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO	4	1	1 Each

		REMAINING FLANGE EDGES. (PAR)			
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10 Square Feet
General Comments					

End Bent 1 Pile 4
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	HEAVY SCALING TO FLANGE EDGES WITH NO MEASURABLE SECTION LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10 Square Feet
General Comments					

End Bent 1 Pile 5
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING WITH 100% SECTION LOSS (1IN W X 6IN H) AT FAR LEFT FLANGE. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGE EDGES. (PAR)	4	1	1 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10 Square Feet
General Comments					

End Bent 1 Pile 6
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	20	0	20	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING TO NEAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO OTHER FLANGE EDGES. (PAR)	4	1	1 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	20	20 Square Feet
General Comments					

End Bent 2 Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
233	Prestressed Concrete Pier Cap	33	27	0	6	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Delamination/Spall	SPALLED AREAS IN END BENT 2 CAP @ PILES 1, 2 & 4.	3	6	6 Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2	Feet

General Comments

Bent 2 Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
233	Prestressed Concrete Pier Cap	33	20	0	13	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Delamination/Spall	SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS. BOTTOM OF CAP BETWEEN P-5 AND P-6 5" LONG X 3" WIDE X 1/2" DEEP	3	13	13 Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2	Feet

General Comments

Bent 2 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	UP TO 65% SECTION LOSS TO NEAR FLANGE, FAR FLANGE UP TO 50% SECTION LOSS ON LEFT SIDE. (PAR)	4	1	6 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 2 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO LEFT FLANGES	3	1	6 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 2 Pile 3
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	90% SECTION LOSS TO NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO NEAR LEFT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR FLANGES. (PAR)	4	1	6	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 2 Pile 4
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING WITH 100% SECTION LOSS (1INW X 8IN H) AT FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT FAR RIGHT, 1/8IN TAPERED SECTION LOSS AT NEAR RIGHT. (PAR)	4	1	6	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 2 Pile 5
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT, 3/8IN REMAINING OTHER FLANGE EDGES. (PAR)	4	1	6	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 2 Pile 6**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	100% SECTION LOSS (2IN W X 6IN H) AT FAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)	4	1	6	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

End Bent 2 Abutment**Timber Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	40	0	0	40	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Decay/Section Loss	DECAY @ ENDS OF BOARDS & 1.5' SECTION OF LOWER BOARD MISSING @ NORTH END OF END BENT 2 BULK HEAD - BOARDS SOFT TO 1/4" THROUGHOUT	3	40	40	Feet

General Comments

End Bent 2 Pile 1**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	40	30	0	10	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING WITH UP TO 50% SECTION LOSS TO THE NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE. 1/16IN SECTION LOSS AT FAR FLANGE EDGES. (PAR)	4	1	1	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet

General Comments

End Bent 2 Pile 2**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	40	30	0	10	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. 1IN X 1IN HOLE IN NEAR LEFT FLANGE	3	1	1	Each

AT TOP. (PAR)

515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet
General Comments						

End Bent 2

Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING WITH UP TO 50% SECTION LOSS TO NEAR LEFT AND FAR RIGHT FLANGES. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	4	1	1	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet
General Comments						

End Bent 2

Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING TO NEAR RIGHT FLNGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	4	1	1	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet
General Comments						

End Bent 2

Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	40	30	0	10	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR FLANGE EDGES AND FAR LEFT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT FAR RIGHT. (PAR)	4	1	1	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet
General Comments						

End Bent 2

Pile 6

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	40	30	0	10	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	100% SECTION LOSS (3IN W X 2IN H) AT NEAR RIGHT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES AT GROUND LINE. (PAR)	4	1	1	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	10	10	Square Feet

General Comments

Bent 3

Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	33	21	0	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Delamination/Spall	SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS.	3	12	12	Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2		Feet

General Comments

Bent 3

Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	1/4IN FULL LENGTH SECTION LOSS, 1/4IN REMAINING AT TOP 2IN OF COLUMN AT LEFT FLANGE EDGES, 1/8IN SECTION LOSS ON LEFT SIDE. (PAR)	4	1	5	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 3

Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	100% SECTION LOSS (2IN W X 12IN H) TO FAR LEFT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING	4	1	5	Each

AT ALL OTHER FLANGE EDGES 2FT FROM TOP. WEB IS HEAVILY PITTED. (PAR)

515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet
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General Comments

Bent 3 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	60% SECTION LOSS TO BOTH SIDES (UP TO 100% SECTION LOSS TO FLANGE EDGES FOR 2IN W X 12IN H) OF FAR FLANGE AND NEAR RIGHT FLANGE IN TOP 2FT OF COLUMN. 1/4IN TAPERED SECTION LOSS, 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE 2FT FROM TOP. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 3 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/16IN TAPERED SECTION LOSS, 7/16IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. TYPICAL 100% DETERIORATION OF LATERAL BRACING. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 3 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/8IN TAPERED SECTION LOSS, 3/8IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR LEFT FLANGE.	3	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 3

Pile 6

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	100% SECTION LOSS TO FAR RIGHT FLANGE AT TOP, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING ALL OTHER FLANGES. (PAR)	4	1	5	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4

Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	33	21	0	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Delamination/Spall	SPALLED AREAS OVER THE PILES.	3	12	12	Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2		Feet

General Comments

Bent 4

Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES	3	1	5	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4

Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	1/16IN TAPERED SECTION LOSS 7/16IN REMAINING AT ALL FLANGE EDGES. 1IN DIAMETER HOLE IN NEAR LEFT FLANGE.	3	1	5	Each

515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet
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General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4 Pile 3 Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	100% SECTION LOSS TO HALF OF THE WEB TO TOP CAP INTERFACE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4 Pile 4 Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4 Pile 5 Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	102	0	40	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	KNIFE EDGING TO FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT BOTH LEFT FLANGE EDGES. (PAR)	4	1	5 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 4 Pile 6**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	100% SECTION LOSS TO FAR LEFT FLANGE. KNIFE EDGED WITH UP TO 50% SECTION LOSS TO FAR RIGHT FLANGE. (PAR)	4	1	2	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Cap 1**Prestressed Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	33	21	0	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Delamination/Spall	SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS.	3	12	12	Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	1	2		Feet

General Comments

Bent 5 Pile 1**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	92	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING WITH UP TO 50% SECTION LOSS WITH A 1IN X 1IN SECTION OF 100% SECTION LOSS AT EDGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)	4	1	4	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Pile 2**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	92	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 1IN DIAMETER HOLE TOP OF FAR	4	1	4	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	Units
515	Effectiveness (Steel Protective Coatings)	LEFT FLANGE. (PAR) COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Pile 3**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Units
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	92	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	Units
225	Corrosion	50% SECTION LOSS AT FAR RIGHT FLANGE AT 1.5IN DIAMETER HOLE LOCATION. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR LEFT FLANGE EDGE. (PAR)	4	1	3	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Pile 4**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Units
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	92	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	Units
225	Corrosion	KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 100% SECTION LOSS (2IN W X 3IN H) 6IN FROM TOP AT FAR LEFT FLANGE. (PAR)	4	1	8	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Pile 5**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Units
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	92	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	Units
225	Corrosion	KNIFE EDGING AT FAR RIGHT FLANGE WITH UP TO 50% SECTION LOSS. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR RIGHT. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGES. (PAR)	4	1	5	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 5 Pile 6**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	HEAVY PITTING WITH UP TO 50% SECTION LOSS TO NEAR RIGHT AND FAR RIGHT FLANGES. (PAR)	4	1	2 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 Cap 1**Prestressed Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
233	Prestressed Concrete Pier Cap	33	17	2	14	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Delamination/Spall	SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS. SPALLS IN BOTTOM OF CAP BETWEEN P-1 & P-2 AND P-5 & P-6 - 4" DIAMETER X 1/2" DEEP.	3	14	14 Feet
233	Exposed Prestressing	EXPOSED CABLE ENDS AT ENDS OF CAP	2	2	2 Feet

General Comments

Bent 6 Pile 1**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGE 2FT FROM TOP. 1IN DIAMETER HOLE TOP OF FAR RIGHT FLANGE. (PAR)	4	1	4 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 Pile 2**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL	4	1	3 Each

515	Effectiveness (Steel Protective Coatings)	FLANGE EDGES TO FEET FROM TOP. (PAR) COATING INEFFECTIVE IN CORRODED AREAS	3	50	50	Square Feet
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General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR RIGHT FLANGE. 100% SECTION LOSS (2IN W X 6IN H) TO NEAR RIGHT FLANGE 1FT FROM TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. (PAR (PAR)	4	1	3 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	100% SECTION LOSS TO FAR LEFT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2-FT FROM TOP. (PAR)	4	1	4 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	1	0 Each
515	Steel Protective Coating	142	92	0	50	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. 1IN DIAMETER HOLE AT FAR LEFT AT TOP.	3	1	4 Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	50	50 Square Feet

General Comments

MARINE GROWTH ON PILE AT LOWER PORTION.

Bent 6 **Pile 6**

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	142	102	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1IN DIAMETER HOLE IN FAR LEFT FLANGE AT TOP. (PAR)	4	1	3	Each
515	Effectiveness (Steel Protective Coatings)	COATING INEFFECTIVE IN CORRODED AREAS	3	40	40	Square Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 6	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Slab 10	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 10	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Slab 11	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 6	Slab 11	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 6	Left Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 6	Right Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1174
Span 7	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 7	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 7	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1181
Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 1	Pile 1	Steel Pile	Steel Pile	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Steel Pile	Steel Pile	1
Bent 1	Pile 4	Steel Pile	Steel Pile	1
Bent 1	Pile 5	Steel Pile	Steel Pile	1
Bent 1	Pile 6	Steel Pile	Steel Pile	1
End Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
End Bent 1	Pile 1	Steel Pile	Steel Pile	1
End Bent 1	Pile 2	Steel Pile	Steel Pile	1
End Bent 1	Pile 3	Steel Pile	Steel Pile	1
End Bent 1	Pile 4	Steel Pile	Steel Pile	1
End Bent 1	Pile 5	Steel Pile	Steel Pile	1
End Bent 1	Pile 6	Steel Pile	Steel Pile	1
Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 2	Pile 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Steel Pile	Steel Pile	1
Bent 2	Pile 4	Steel Pile	Steel Pile	1
Bent 2	Pile 5	Steel Pile	Steel Pile	1
Bent 2	Pile 6	Steel Pile	Steel Pile	1
End Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
End Bent 2	Pile 1	Steel Pile	Steel Pile	1
End Bent 2	Pile 2	Steel Pile	Steel Pile	1
End Bent 2	Pile 3	Steel Pile	Steel Pile	1
End Bent 2	Pile 4	Steel Pile	Steel Pile	1
End Bent 2	Pile 5	Steel Pile	Steel Pile	1

Elements Verified

Location	Name	Component	Element Name	Amount
End Bent 2	Pile 6	Steel Pile	Steel Pile	1
Bent 3	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 3	Pile 1	Steel Pile	Steel Pile	1
Bent 3	Pile 2	Steel Pile	Steel Pile	1
Bent 3	Pile 3	Steel Pile	Steel Pile	1
Bent 3	Pile 4	Steel Pile	Steel Pile	1
Bent 3	Pile 5	Steel Pile	Steel Pile	1
Bent 3	Pile 6	Steel Pile	Steel Pile	1
Bent 4	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 4	Pile 1	Steel Pile	Steel Pile	1
Bent 4	Pile 2	Steel Pile	Steel Pile	1
Bent 4	Pile 3	Steel Pile	Steel Pile	1
Bent 4	Pile 4	Steel Pile	Steel Pile	1
Bent 4	Pile 5	Steel Pile	Steel Pile	1
Bent 4	Pile 6	Steel Pile	Steel Pile	1
Bent 5	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 5	Pile 1	Steel Pile	Steel Pile	1
Bent 5	Pile 2	Steel Pile	Steel Pile	1
Bent 5	Pile 3	Steel Pile	Steel Pile	1
Bent 5	Pile 4	Steel Pile	Steel Pile	1
Bent 5	Pile 5	Steel Pile	Steel Pile	1
Bent 5	Pile 6	Steel Pile	Steel Pile	1
Bent 6	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	33
Bent 6	Pile 1	Steel Pile	Steel Pile	1
Bent 6	Pile 2	Steel Pile	Steel Pile	1
Bent 6	Pile 3	Steel Pile	Steel Pile	1
Bent 6	Pile 4	Steel Pile	Steel Pile	1
Bent 6	Pile 5	Steel Pile	Steel Pile	1
Bent 6	Pile 6	Steel Pile	Steel Pile	1

General Inspection Notes

Span 1 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 1 Slab 1
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 2 Right Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 3 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 3 Right Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 3 Slab 1
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 4 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 4 Right Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 4 Slab 1
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 5 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 5 Right Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 5 Slab 1
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 6 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 6 Right Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 6 Slab 1
WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

Span 7 Left Bridge Rail
BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 7 Right Bridge Rail

General Inspection Notes

BRIDGE RAIL PAINTED SINCE LAST INSPECTION

Span 7

Slab 1

WATER STAINING TO LEFT FASCIA BEAM FOR FULL LENGTH

National Bridge and NC Inspection Items

Structure Number: 090015

Inspection Date: 06/20/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	7
Item 60: Substructure	0 - 9 , N	4
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	30	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years			
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	12
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 090015

Inspection Date: 06/20/2019

Item	Substructure - Item 60	Grade 4	Maint Code	Qty. 0
Details	NEWLY STRUCTURAL DEFICIENT DUE TO HEAVY DETERIORATION OF END BENT AND INTERIOR BENT COLUMNS. DETACHED LATERAL BRACING AT BENTS 2-6.			
Item	Priority Maintenance Issued	Grade Y	Maint Code	Qty. 0
Details	NEWLY STRUCTURAL DEFICIENT DUE TO SEVERE DETERIORATION OF END BENT AND INTERIOR BENT COLUMNS AND BENT LATERAL BRACING			
Item	Other Equipment Used	Grade Y	Maint Code	Qty. 0
Details	HIP WADERS, CALIPERS			
Item	Wingwalls	Grade F	Maint Code 3350	Qty. 30
Details	MODERATE TO HEAVY DETERIORATION TO ENDS OF HORIZONTAL TIMBER LAGGING AT ALL FOUR WINGWALLS			
Item	General Comments and Misc Items	Grade F	Maint Code	Qty. 0
Details	END TREATMENT, MINOR COLLISION DAMAGE AT FAR LEFT. FAR LEFT APPROACH GUARDRAIL- DISCONNECTED & DAMAGED POST 50FT FROM END TREATMENT.			



TYPICAL DELINEATOR END TREATMENT, MINOR COLLISION DAMAGE AT FAR LEFT



FAR LEFT APPROACH GUARDRAIL- DISCONNECTED & DAMAGED POST 50FT FROM END TREATMENT



TYPICAL AWS, MODERATE TO HEAVY WEAR THROUGHOUT, SPAN 2



SPAN 2 AWS, OPEN LONGITUDINAL CRACK (1/8IN X 5FT) CENTER OF SPAN IN RIGHT LANE



SPAN 5 AWS - FULL LENGTH OPEN LONGITUDINAL CRACK (1/4IN), 2.5FT FROM RIGHT LINE



SPAN 6 AWS - HALF LENGTH HAIRLINE CRACK IN FAR HALF OF SPAN



BENT 1 COLUMN 3 - KNIFE EDGING TO NEAR RIGHT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT OTHER FLANGES. (PAR PHOTO)



BENT 1 COLUMN 4 - 100% TAPERED SECTION LOSS (2IN W X 3 IN L) AT FAR LEFT FLANGE, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGES. (PAR PHOTO)



BENT 1 COLUMN 5 - 3/8IN SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE, 1/4IN SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR PHOTO)



BENT 1 COLUMN 6 - KNIFE EDGING ON LEFT FLANGE EDGES. 1/4IN SECTION LOSS 1/4IN REMAINING AT FAR RIGHT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT NEAR RIGHT. (PAR PHOTO)



SPAN 1 BEAM 11 - SPALL (9IN H X 3IN W) AT FAR END ON RIGHT SIDE



NEAR RIGHT WINGWALL - HEAVY DETERIORATION TO HORIZONTAL TIMBER LAGGING AT ENDS



SPAN 2 BEAM 1 - SPALL (6IN H X 3IN W) AT NEAR LEFT END



TYPICAL 100% DETERIORATION OF LATERAL BRACING, BENT 2 COLUMN 1 (PAR PHOTO)



BENT 2 COLUMN 1 - UP TO 65% SECTION LOSS TO NEAR FLANGE, FAR FLANGE UP TO 50% SECTION LOSS ON LEFT SIDE. (PAR PHOTO)



BENT 2 COLUMN 2 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO LEFT FLANGES



BENT 2 COLUMN 3 - 90% SECTION LOSS TO NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO NEAR LEFT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR FLANGES.
(PAR PHOTO)



BENT 2 COLUMN 4 - KNIFE EDGING WITH 100% SECTION LOSS (1INW X 8IN H) AT FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT FAR RIGHT, 1/8IN TAPERED SECTION LOSS AT NEAR RIGHT. (PAR PHOTO)



BENT 2 COLUMN 5 - 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT, 3/8IN REMAINING OTHER FLANGE EDGES. (PAR PHOTO)



BENT 2 COLUMN 6 - 100% SECTION LOSS (2IN W X 6IN H) AT FAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR PHOTO)



BENT 3 COLUMN 6 - 100% SECTION LOSS TO FAR RIGHT FLANGE AT TOP, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING ALL OTHER FLANGES. (PAR PHOTO)



TYPICAL SPALLING (UP TO 24IN X 3IN X 2IN) TO BOTH SIDES OF ALL CAPS AT ALL INTERIOR BENTS, BENT 1 COLUMN 1 FAR SIDE SHOWN



BENT 1 COLUMN 1 - KNIFE EDGING TO FAR FLANGES EDGES (50% SECTION LOSS), 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGES. (PAR PHOTO)



BENT 1 COLUMN 1 - KNIFE EDGING TO FAR FLANGES EDGES (UP TO 50% SECTION LOSS), 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGES. (PAR PHOTO)



BENT 1 COLUMN 2 - UP TO 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR PHOTO)



END BENT 1 CAP - SPALLS (14IN X 3IN X 1IN) TO BOTTOM OF CAP AT COLUMNS 1 & 6.



END BENT 1 COLUMN 1 - 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO FLANGE EDGES. 50% SECTION LOSS TO TOP OF WEB. (PAR PHOTO)



END BENT 1 COLUMN 2 - 100% SECTION LOSS TO RIGHT FLANGE EDGES (UP TO 6IN H X 2IN W) 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO LEFT FLANGE EDGES. (PAR PHOTO)



END BENT 1 COLUMN 3 - KNIFE EDGING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO REMAINING FLANGE EDGES. (PAR PHOTO)



END BENT 1 COLUMN 4 - HEAVY SCALING TO FLANGE EDGES WITH NO MEASURABLE SECTION LOSS



END BENT 1 COLUMN 5 - KNIFE EDGING WITH 100% SECTION LOSS (1IN W X 6IN H) AT FAR LEFT FLANGE. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGE EDGES. (PAR PHOTO)



END BENT 1 COLUMN 6 - KNIFE EDGING TO NEAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO OTHER FLANGE EDGES. (PAR PHOTO)



BENT 3 COLUMN 5 - 1/8IN TAPERED SECTION LOSS, 3/8IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR LEFT FLANGE.



BENT 3 COLUMN 4 - 1/16IN TAPERED SECTION LOSS, 7/16IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. TYPICAL 100% DETERIORATION OF LATERAL BRACING. (PAR PHOTO)



BENT 3 COLUMN 3 - 60% SECTION LOSS TO BOTH SIDES (UP TO 100% SECTION LOSS TO FLANGE EDGES FOR 2IN W X 12IN H) OF FAR FLANGE AND NEAR RIGHT FLANGE IN TOP 2FT OF COLUMN. 1/4IN TAPERED SECTION LOSS, 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE 2FT FROM TOP. (PAR PHOTO)



BENT 3 COLUMN 2 - 100% SECTION LOSS (2IN W X 12IN H) TO FAR LEFT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL OTHER FLANGE EDGES 2FT FROM TOP. WEB IS HEAVILY PITTED. (PAR PHOTO)



BENT 3 COLUMN 1 - 1/4IN FULL LENGTH SECTION LOSS, 1/4IN REMAINING AT TOP 2IN OF COLUMN AT LEFT FLANGE EDGES, 1/8IN SECTION LOSS ON LEFT SIDE. (PAR PHOTO)



SPAN 2 BEAM 6 - MINOR DELAMINATION (5IN X 5IN) AT RIGHT SIDE AT MID-SPAN



TYPICAL WATER STAINING TO LEFT FASCIA BEAM, SPAN 4 LOOKING AHEAD



TYPICAL DETACHED LATERAL BRACING, BENT 4 AT COLUMN 2 (PAR PHOTO)



BENT 4 COLUMN 1 - 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES



BENT 4 COLUMN 2 - 1/16IN TAPERED SECTION LOSS 7/16IN REMAINING AT ALL FLANGE EDGES. 1IN DIAMETER HOLE IN NEAR LEFT FLANGE.



BENT 4 COLUMN 3 - 100% SECTION LOSS TO HALF OF THE WEB TO TOP CAP INTERFACE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. (PAR PHOTO)



BENT 4 COLUMN 4 - 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR PHOTO)



BENT 4 COLUMN 5 - KNIFE EDGING TO FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT BOTH LEFT FLANGE EDGES. (PAR PHOTO)



BENT 4 COLUMN 6 - 100% SECTION LOSS TO FAR LEFT FLANGE. KNIFE EDGED WITH UP TO 50% SECTION LOSS TO FAR RIGHT FLANGE. (PAR PHOTO)



BENT 5 COLUMN 6 - HEAVY PITTING WITH UP TO 50% SECTION LOSS TO NEAR RIGHT AND FAR RIGHT FLANGES. (PAR PHOTO)



BENT 5 COLUMN 5 - KNIFE EDGING AT FAR RIGHT FLANGE WITH UP TO 50% SECTION LOSS. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR RIGHT. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGES. (PAR PHOTO)



BENT 5 COLUMN 4 - KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. (PAR PHOTO)



BENT 5 COLUMN 4 - 100% SECTION LOSS (2IN W X 3IN H) 6IN FROM TOP AT FAR LEFT FLANGE (PAR PHOTO)



BENT 5 COLUMN 3 - 50% SECTION LOSS AT FAR RIGHT FLANGE AT 1.5IN DIAMETER HOLE LOCATION. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR LEFT FLANGE EDGE. (PAR PHOTO)



BENT 5 COLUMN 2 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 1IN DIAMETER HOLE TOP OF FAR LEFT FLANGE. (PAR PHOTO)



BENT 5 COLUMN 1 - KNIFE EDGING WITH UP TO 50% SECTION LOSS WITH A 1IN X 1IN SECTION OF 100% SECTION LOSS AT EDGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR PHOTO)



BENT 6 COLUMN 1 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGE 2FT FROM TOP. 1IN DIAMETER HOLE TOP OF FAR RIGHT FLANGE. (PAR PHOTO)



BENT 6 COLUMN 2 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES TO FEET FROM TOP. (PAR PHOTO)



BENT 6 COLUMN 3 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR RIGHT FLANGE. (PAR PHOTO)



BENT 6 COLUMN 3 - 100% SECTION LOSS (2IN W X 6IN H) TO NEAR RIGHT FLANGE 1FT FROM TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. (PAR PHOTO)



BENT 6 COLUMN 4 - 100% SECTION LOSS TO FAR LEFT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2-FT FROM TOP. (PAR PHOTO)



BENT 6 COLUMN 5 - 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. 1IN DIAMETER HOLE AT FAR LEFT AT TOP.



BENT 6 COLUMN 6 - KNIFE EDGING AT NEAR LEFT FLANGE. 1IN DIAMETER HOLE IN FAR LEFT FLANGE AT TOP. (PAR PHOTO)



FAR LEFT WINGWALL, MODERTE DETERIORATION TO HORIZONTAL TIMBER LAGGING.



END BENT 2 COLUMN 1 - KNIFE EDGING WITH UP TO 50% SECTION LOSS TO THE NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE. 1/16IN SECTION LOSS AT FAR FLANGE EDGES. (PAR PHOTO)



END BENT 2 COLUMN 2 - 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. 1IN X 1IN HOLE IN NEAR LEFT FLANGE AT TOP. (PAR PHOTO)



END BENT 2 COLUMN 3 - KNIFE EDGING WITH UP TO 50% SECTION LOSS TO NEAR LEFT AND FAR RIGHT FLANGES. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR PHOTO)



END BENT 2 COLUMN 4 - KNIFE EDGING TO NEAR RIGHT FLNGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR PHOTO)



END BENT 2 COLUMN 5 - 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR FLANGE EDGES AND FAR LEFT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT FAR RIGHT. (PAR PHOTO)



END BENT 2 COLUMN 6 - 100% SECTION LOSS (3IN W X 2IN H) AT NEAR RIGHT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES AT GROUND LINE. (PAR PHOTO)



LOOKING STATIONS BACK - WEST



LOOKING STATIONS AHEAD - EAST



TYPICAL GUARDRAIL POST SPACING, FAR LEFT



TYPICAL APPROACH GUARDRAIL TRANSITION, NO CHANGE TO POST SPACING, FAR LEFT



NO FISHING FROM BRIDGE SIGN, FAR LEFT



LOOKING BACK FROM BRIDGE



NO FISHING FROM BRIDGE SIGN, NEAR RIGHT



JOINT 1 OVER END BENT 1, LOOKING LEFT



NEAR APPROACH AWS



TYPICAL ASPHALT PLUG JOINT, JOINT 1 AT BENT 1



TYPICAL GUARDRAIL, LOOKING AHEAD AT BENT 2



FAR APPROACH AWS



LOOKING DOWNSTREAM



LOOKING UPSTREAM



DOWNSTREAM ELEVATION



UPSTREAM ELEVATION



NEAR LEFT WING WALL



BENT 2 - NEAR FACE



LOOKING DOWNSTREAM THROUGH SPAN 3



LOOKING DOWNSTREAM THROUGH SPAN 4



END BENT 1



TYPICAL SUPERSTRUCTURE, SPAN 1



BENT 1, FAR FACE



BENT 3, FAR FACE



BENT 4 NEAR FACE



BENT 5, NEAR FACE



BENT 6, NEAR FACE



END BENT 2

Stream Bed Soundings

(Profile diagram on following sheet)

County BRUNSWICK

Structure Number: 090015

Inspection Date 06/20/2019

Sounding recorded from: Top of Bridge Rail

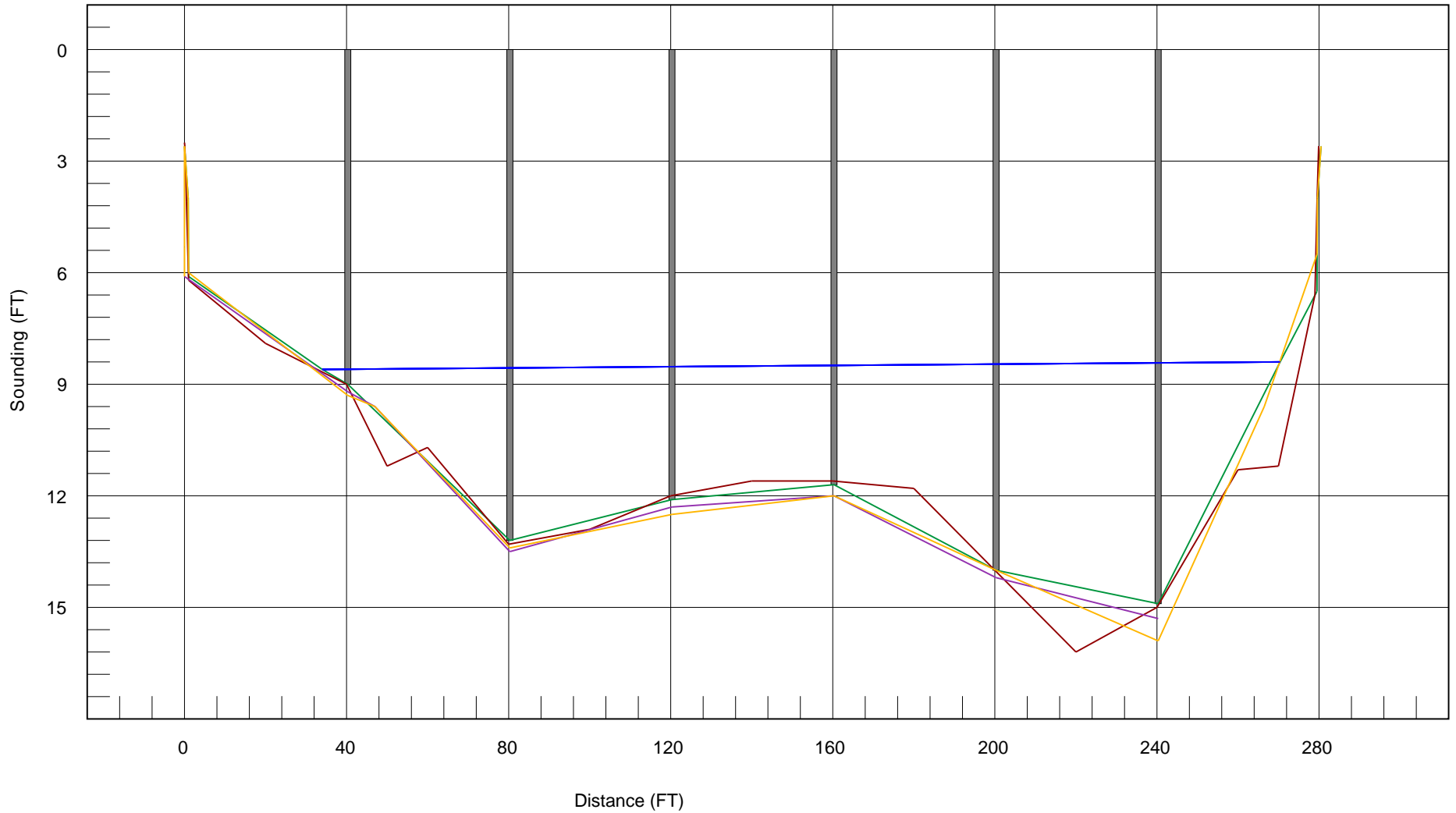
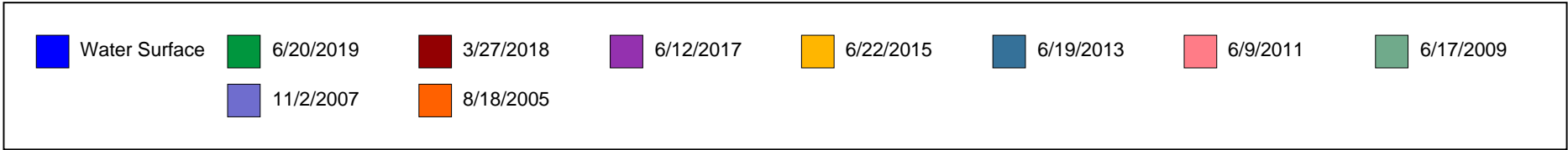
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.600	0.000	TOP OF BLKHD
0.900	4.000	0.000	TOP OF CAP
1.000	6.100	6.800	GROUND AT CAP
34.000	8.600	0.000	WATER SURFACE/WATER EDGE (WSWE)
40.300	9.000	9.400	BENT 1
80.300	13.200	13.500	BENT 2
120.300	12.100	13.500	BENT 3
160.300	11.700	11.800	BENT 4
200.300	14.000	14.100	BENT 5
240.300	14.900	15.300	BENT 6
270.400	8.400	0.000	WATER SURFACE/WATER EDGE (WSWE)
279.500	6.500	6.300	GROUND AT CAP
279.600	4.000	0.000	TOP OF CAP
280.500	2.600	0.000	TOP OF BLKHD

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

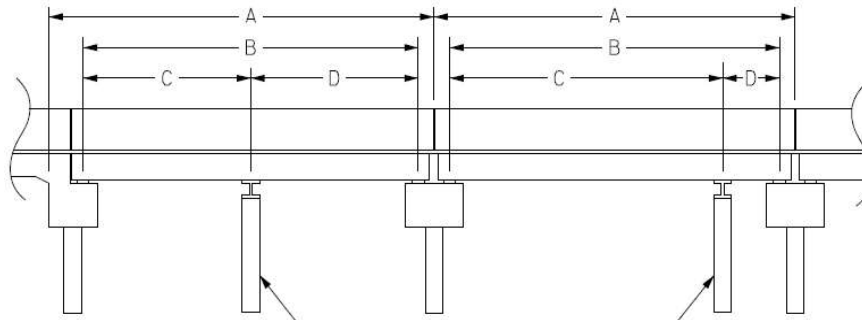


Structure Data Worksheet

Span Profile

County: BRUNSWICK

Structure Number: 090015



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

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.250	39.500			
2	40.000	39.333			
3	40.000	39.333			
4	40.000	39.333			
5	40.000	39.333			
6	40.000	39.333			
7	40.250	39.500			

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	090015		SUFFICIENCY RATING =			43.34
(8) STRUCTURE NUMBER(FEDERAL)		00000000190015		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		36001790					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3					
(3) COUNTY CODE	19	(4) PLACE CODE	9540	(112)NBIS BRIDGE SYSTEM -			YES
(6) FEATURE INTERSECTED - CALABASH RIVER				(104)HIGHWAY SYSTEM	Is not on NHS		0
(7) FACILITY CARRIED NC179 BUS				(26) FUNCTIONAL CLASS -	Collector		17
(9) LOCATION 1.4 MI. E. JCT. SR 1165				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route		0
(11)MILEPOINT			0	(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(16)LAT 33° 53' 22.64"	(17)LONG	78° 32' 58.00"		(102)DIRECTION OF TRAFFIC -	2-way Traffic		2
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	On the National Network		1
				(20) TOLL	On Free Road		3
				(31) MAINTAIN -	State Highway Agency		01
				(22) OWNER -	State Highway Agency		01
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible		5
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN: Prestressed Concrete				(58) DECK			6
TYPE - Slab		CODE	501	(59) SUPERSTRUCTURE			7
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE			4
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION			7
(45) NUMBER OF SPANS IN MAIN UNIT			7	(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - 2		CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	HS 15		3
(A) TYPE OF WEARING SURFACE - Bituminous		CODE	6	(63) OPERATING RATING METHOD -	Load Factor		1
(B) TYPE OF MEMBRANE - None		CODE	0	(64) OPERATING RATING -	HS-29		53
(C) TYPE OF DECK PROTECTION - None		CODE	0	(65) INVENTORY RATING METHOD -	Load Factor		1
				(66) INVENTORY RATING -	HS-17		31
				(70) BRIDGE POSTING -	No Posting Required		5
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			A
				DESCRIPTION -	Open, No Restriction		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1975	(67) STRUCTURAL EVALUATION			4
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY			4
(42) TYPE OF SERVICE : ON - Highway				(69) UNDERCLEARANCES,VERTI & HORIZ			N
UNDER - Waterway		CODE	15	(71) WATERWAY ADEQUACY			6
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE			0	(72) APPROACH ROADWAY ALIGNMENT			8
(29) AVERAGE DAILY TRAFFIC			7100	(36) TRAFFIC SAFETY FEATURES			0011
(30) YEAR OF ADT 2018	(109) TRUCK ADT PCT		7%	(113)SCOUR CRITICAL BRIDGES			5
(19) BYPASS OR DETOUR LENGTH			8 MI	PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -			CODE
(48) LENGTH OF MAXIMUM SPAN			40 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH			281 FT	(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT .25 FT RIGHT .25 FT				(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			29.333 FT	(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT			30.417 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			30 FT	(114)FUTURE ADT	14200	(115) YEAR FUTURE ADT	2040
(33) BRIDGE MEDIAN - No Median		CODE	0	INSPECTIONS			
(34) SKEW 0°	(35) STRUCTURE FLARED		0	(90) INSPECTION DATE			06/20/2019
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			29.333 FT	A) FRACTURE CRIT DETAIL -	NO		A)
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	B) UNDERWATER INSP -	YES 48Mo		B) 01/24/2017
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad			0 FT	C) OTHER SPECIAL INSP	NO		C)
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad			000 FT	SCOUR			
(56) MIN LAT UNDERCLEAR LT REF -			000 FT	NAVIGATION DATA			
(38) NAVIGATION CONTROL - No Navigational Control		CODE	0	(111)PIER PROTECTION -			
(111)PIER PROTECTION -		CODE		(39) NAVIGATION VERTICAL CLEARANCE			0
(39) NAVIGATION VERTICAL CLEARANCE			0	(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT	(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 09/17/2019

COUNTY : BRUNSWICK DIVISION : 3 DISTRICT : 3 STRUCTURE NUMBER : 090015 LENGTH : 281 FEET

ROUTE CARRIED : NC179 BUS FEATURE INTERSECTED : CALABASH RIVER

LOCATED : 1.4 MI. E. JCT. SR 1165 BRIDGE NAME : CITY : *CALABASH

FUNC. CLASS : 17 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 7100 2018 RAIL TYPE : LT 233 RT 233

BUILT : 1975 BY : BMU PROJ : FED.AID PROJ : DESIGN LOAD : HS 15

REHAB : BY : DBM PROJ : ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 13 FT WATER DEPTH : 5 FT

SUPERSTRUCTURE : PPC CORED SLAB

SUBSTRUCTURE : E.BTS&INT.BTS:PPC CAPS/STEEL PILES

SPANS : 1@40'-3"; 5@40'-0"; 1@40'-3"

BEAMS OR GIRDERS : 11 SECTIONS OF 2'-9"X1'5" PPC CORED SLAB UNITS

FLOOR : PPC C.S./4.5"AWS ENCROACHMENT : DECK (OUT TO OUT) : 30.417 FT

CLEAR ROADWAY : 29.333 FT BETWEEN RAILS : 29.833 FT SIDEWALK OR CURB : LT .25 FT RT .25 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-17 OPE.RTG. : HS-29 CONTR.MEMBER : C. Slab POSTED : SV TTST DATE 01/01/0001

SYSTEM : Primary N.C. Route GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

REMARKS :












BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 0	No Maintenance Required	NA	6	100% SECTION LOSS OF LATERAL BRACING AT BENT 2	
 0	No Maintenance Required	NA	6	100% SECTION LOSS OF LATERAL BRACING AT BENT 3	
 0	No Maintenance Required	NA	6	100% SECTION LOSS OF LATERAL BRACING AT BENT 4	
 0	No Maintenance Required	NA	6	100% SECTION LOSS OF LATERAL BRACING AT BENT 5	
 0	No Maintenance Required	NA	6	100% SECTION LOSS OF LATERAL BRACING AT BENT 6	
 3354	Maintain Steel Substructure Components	LF	1	Bent 6 Pile 1: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGE 2FT FROM TOP. 1IN DIAMETER HOLE TOP OF FAR RIGHT FLANGE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	3	Bent 6 Pile 2: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES TO FEET FROM TOP. (PAR)	
 3354	Maintain Steel Substructure Components	LF	3	Bent 6 Pile 3: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR RIGHT FLANGE. 100% SECTION LOSS (2IN W X 6IN H) TO NEAR RIGHT FLANGE 1FT FROM TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. (PAR (PAR)	
 3354	Maintain Steel Substructure Components	LF	4	Bent 6 Pile 4: 100% SECTION LOSS TO FAR LEFT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2-FT FROM TOP. (PAR)	
 3354	Maintain Steel Substructure Components	LF	3	Bent 6 Pile 6: KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1IN DIAMETER HOLE IN FAR LEFT FLANGE AT TOP. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 2 Pile 1: KNIFE EDGING WITH UP TO 50% SECTION LOSS TO THE NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE. 1/16IN SECTION LOSS AT FAR FLANGE EDGES. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined









BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	1	End Bent 2 Pile 3: KNIFE EDGING WITH UP TO 50% SECTION LOSS TO NEAR LEFT AND FAR RIGHT FLANGES. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 2 Pile 4: KNIFE EDGING TO NEAR RIGHT FLNGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 2 Pile 5: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR FLANGE EDGES AND FAR LEFT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT FAR RIGHT. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 2 Pile 6: 100% SECTION LOSS (3IN W X 2IN H) AT NEAR RIGHT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES AT GROUND LINE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	4	Bent 5 Pile 1: KNIFE EDGING WITH UP TO 50% SECTION LOSS WITH A 1IN X 1IN SECTION OF 100% SECTINO LOSS AT EDGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	4	Bent 5 Pile 2: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 1IN DIAMETER HOLE TOP OF FAR LEFT FLANGE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	3	Bent 5 Pile 3: 50% SECTION LOSS AT FAR RIGHT FLANGE AT 1.5IN DIAMERTER HOLE LOCATION. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR LEFT FLANGE EDGE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	8	Bent 5 Pile 4: KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 100% SECTION LOSS (2IN W X 3IN H) 6IN FROM TOP AT FAR LEFT FLANGE. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined









BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	5	Bent 5 Pile 5: KNIFE EDGING AT FAR RIGHT FLANGE WITH UP TO 50% SECTION LOSS. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR RIGHT. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	2	Bent 5 Pile 6: HEAVY PITTING WITH UP TO 50% SECTION LOSS TO NEAR RIGHT AND FAR RIGHT FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 4 Pile 3: 100% SECTION LOSS TO HALF OF THE WEB TO TOP CAP INTERFACE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 4 Pile 4: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 4 Pile 5: KNIFE EDGING TO FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT BOTH LEFT FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	2	Bent 4 Pile 6: 100% SECTION LOSS TO FAR LEFT FLANGE. KNIFE EDGED WITH UP TO 50% SECTION LOSS TO FAR RIGHT FLANGE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 3 Pile 1: 1/4IN FULL LENGTH SECTION LOSS, 1/4IN REMAINING AT TOP 2IN OF COLUMN AT LEFT FLANGE EDGES, 1/8IN SECTION LOSS ON LEFT SIDE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 3 Pile 2: 100% SECTION LOSS (2IN W X 12IN H) TO FAR LEFT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL OTHER FLANGE EDGES 2FT FROM TOP. WEB IS HEAVILY PITTED. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined









BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	5	Bent 3 Pile 3: 60% SECTION LOSS TO BOTH SIDES (UP TO 100% SECTION LOSS TO FLANGE EDGES FOR 2IN W X 12IN H) OF FAR FLANGE AND NEAR RIGHT FLANGE IN TOP 2FT OF COLUMN. 1/4IN TAPERED SECTION LOSS, 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE 2FT FROM TOP. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 3 Pile 4: 1/16IN TAPERED SECTION LOSS, 7/16IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. TYPICAL 100% DETERIORATION OF LATERAL BRACING. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 3 Pile 6: 100% SECTION LOSS TO FAR RIGHT FLANGE AT TOP, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING ALL OTHER FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	6	Bent 2 Pile 1: UP TO 65% SECTION LOSS TO NEAR FLANGE, FAR FLANGE UP TO 50% SECTION LOSS ON LEFT SIDE. (PAR)	
 3354	Maintain Steel Substructure Components	LF	6	Bent 2 Pile 3: 90% SECTION LOSS TO NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO NEAR LEFT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	6	Bent 2 Pile 4: KNIFE EDGING WITH 100% SECTION LOSS (1INW X 8IN H) AT FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT FAR RIGHT, 1/8IN TAPERED SECTION LOSS AT NEAR RIGHT. (PAR)	
 3354	Maintain Steel Substructure Components	LF	6	Bent 2 Pile 5: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT, 3/8IN REMAINING OTHER FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	6	Bent 2 Pile 6: 100% SECTION LOSS (2IN W X 6IN H) AT FAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined










BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 1: KNIFE EDGING TO FAR FLANGES EDGES (50% SECTION LOSS), 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 2: UP TO 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	2	Bent 1 Pile 3: KNIFE EDGING TO NEAR RIGHT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT OTHER FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 4: 100% TAPERED SECTION LOSS (2IN W X 3 IN L) AT FAR LEFT FLANGE, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 5: 3/8IN SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE, 1/4IN SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 6: KNIFE EDGING ON LEFT FLANGE EDGES. 1/4IN SECTION LOSS 1/4IN REMAINING AT FAR RIGHT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT NEAR RIGHT. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 1 Pile 1: 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO FLANGE EDGES. 50% SECTION LOSS TO TOP OF WEB. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 1 Pile 2: 100% SECTION LOSS TO RIGHT FLANGE EDGES (UP TO 6IN H X 2IN W) 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO LEFT FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 1 Pile 3: KNIFE EDGING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO REMAINING FLANGE EDGES. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

Date: 06/20/2019


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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	1	End Bent 1 Pile 5: KNIFE EDGING WITH 100% SECTION LOSS (1IN W X 6IN H) AT FAR LEFT FLANGE. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGE EDGES. (PAR)	
 3354	Maintain Steel Substructure Components	LF	1	End Bent 1 Pile 6: KNIFE EDGING TO NEAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO OTHER FLANGE EDGES. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
0	No Maintenance Required	6 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
100% SECTION LOSS OF LATERAL BRACING AT BENT 2		

MMS Code	MMS Description	Quantity
0	No Maintenance Required	6 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
100% SECTION LOSS OF LATERAL BRACING AT BENT 3		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
0	No Maintenance Required	6 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
100% SECTION LOSS OF LATERAL BRACING AT BENT 4		

MMS Code	MMS Description	Quantity
0	No Maintenance Required	6 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
100% SECTION LOSS OF LATERAL BRACING AT BENT 5		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
0	No Maintenance Required	6 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
100% SECTION LOSS OF LATERAL BRACING AT BENT 6		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 6 Pile 1: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGE 2FT FROM TOP. 1IN DIAMETER HOLE TOP OF FAR RIGHT FLANGE. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 6 Pile 2: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES TO FEET FROM TOP. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 6 Pile 3: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. 1IN DIAMETER HOLE IN FAR RIGHT FLANGE. 100% SECTION LOSS (2IN W X 6IN H) TO NEAR RIGHT FLANGE 1FT FROM TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. (PAR (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 6 Pile 4: 100% SECTION LOSS TO FAR LEFT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES 2-FT FROM TOP. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 6 Pile 6: KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1IN DIAMETER HOLE IN FAR LEFT FLANGE AT TOP. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 2 Pile 1: KNIFE EDGING WITH UP TO 50% SECTION LOSS TO THE NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE. 1/16IN SECTION LOSS AT FAR FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 2 Pile 3: KNIFE EDGING WITH UP TO 50% SECTION LOSS TO NEAR LEFT AND FAR RIGHT FLANGES. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 2 Pile 4: KNIFE EDGING TO NEAR RIGHT FLNGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 2 Pile 5: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR FLANGE EDGES AND FAR LEFT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT FAR RIGHT. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 2 Pile 6: 100% SECTION LOSS (3IN W X 2IN H) AT NEAR RIGHT FLANGE AT TOP. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES AT GROUND LINE. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 1: KNIFE EDGING WITH UP TO 50% SECTION LOSS WITH A 1IN X 1IN SECTION OF 100% SECTION LOSS AT EDGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 2: 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 1IN DIAMETER HOLE TOP OF FAR LEFT FLANGE. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 3: 50% SECTION LOSS AT FAR RIGHT FLANGE AT 1.5IN DIAMETER HOLE LOCATION. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR LEFT FLANGE EDGE. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	8 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 4: KNIFE EDGING AT NEAR LEFT FLANGE WITH UP TO 50% SECTION LOSS. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR RIGHT FLANGE EDGE. 100% SECTION LOSS (2IN W X 3IN H) 6IN FROM TOP AT FAR LEFT FLANGE. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 5: KNIFE EDGING AT FAR RIGHT FLANGE WITH UP TO 50% SECTION LOSS. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT NEAR RIGHT. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT NEAR LEFT FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 5 Pile 6: HEAVY PITTING WITH UP TO 50% SECTION LOSS TO NEAR RIGHT AND FAR RIGHT FLANGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 4 Pile 3: 100% SECTION LOSS TO HALF OF THE WEB TO TOP CAP INTERFACE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT ALL FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 4 Pile 4: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE EDGE. 1/4IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 4 Pile 5: KNIFE EDGING TO FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT BOTH LEFT FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 4 Pile 6: 100% SECTION LOSS TO FAR LEFT FLANGE. KNIFE EDGED WITH UP TO 50% SECTION LOSS TO FAR RIGHT FLANGE. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 3 Pile 1: 1/4IN FULL LENGTH SECTION LOSS, 1/4IN REMAINING AT TOP 2IN OF COLUMN AT LEFT FLANGE EDGES, 1/8IN SECTION LOSS ON LEFT SIDE. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
<p>Bent 3 Pile 2: 100% SECTION LOSS (2IN W X 12IN H) TO FAR LEFT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL OTHER FLANGE EDGES 2FT FROM TOP. WEB IS HEAVILY PITTED. (PAR)</p>		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
<p>Bent 3 Pile 3: 60% SECTION LOSS TO BOTH SIDES (UP TO 100% SECTION LOSS TO FLANGE EDGES FOR 2IN W X 12IN H) OF FAR FLANGE AND NEAR RIGHT FLANGE IN TOP 2FT OF COLUMN. 1/4IN TAPERED SECTION LOSS, 1/4IN REMAINING AT NEAR LEFT FLANGE EDGE 2FT FROM TOP. (PAR)</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 3 Pile 4: 1/16IN TAPERED SECTION LOSS, 7/16IN REMAINING AT ALL FLANGE EDGES 2FT FROM TOP. TYPICAL 100% DETERIORATION OF LATERAL BRACING. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 3 Pile 6: 100% SECTION LOSS TO FAR RIGHT FLANGE AT TOP, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING ALL OTHER FLANGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 2 Pile 1: UP TO 65% SECTION LOSS TO NEAR FLANGE, FAR FLANGE UP TO 50% SECTION LOSS ON LEFT SIDE. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 2 Pile 3: 90% SECTION LOSS TO NEAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING TO NEAR LEFT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT FAR FLANGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 2 Pile 4: KNIFE EDGING WITH 100% SECTION LOSS (1INW X 8IN H) AT FAR RIGHT FLANGE. 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT FAR RIGHT, 1/8IN TAPERED SECTION LOSS AT NEAR RIGHT. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 2 Pile 5: 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING AT FAR RIGHT, 3/8IN REMAINING OTHER FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 2 Pile 6: 100% SECTION LOSS (2IN W X 6IN H) AT FAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS AT OTHER FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 1: KNIFE EDGING TO FAR FLANGES EDGES (50% SECTION LOSS), 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 2: UP TO 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT ALL FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 3: KNIFE EDGING TO NEAR RIGHT FLANGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT OTHER FLANGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 4: 100% TAPERED SECTION LOSS (2IN W X 3 IN L) AT FAR LEFT FLANGE, 1/4IN TAPERED SECTION LOSS 1/4IN REMAINING AT OTHER FLANGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 5: 3/8IN SECTION LOSS 1/8IN REMAINING AT FAR RIGHT FLANGE, 1/4IN SECTION LOSS 1/4IN REMAINING AT OTHER FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
Bent 1 Pile 6: KNIFE EDGING ON LEFT FLANGE EDGES. 1/4IN SECTION LOSS 1/4IN REMAINING AT FAR RIGHT. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING AT NEAR RIGHT. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 1 Pile 1: 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO FLANGE EDGES. 50% SECTION LOSS TO TOP OF WEB. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 1 Pile 2: 100% SECTION LOSS TO RIGHT FLANGE EDGES (UP TO 6IN H X 2IN W) 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO LEFT FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 1 Pile 3: KNIFE EDGING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO REMAINING FLANGE EDGES. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 090015

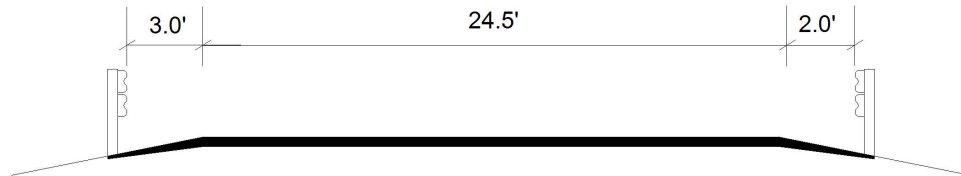
County BRUNSWICK

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 1 Pile 5: KNIFE EDGING WITH 100% SECTION LOSS (1IN W X 6IN H) AT FAR LEFT FLANGE. 3/8IN TAPERED SECTION LOSS 1/8IN REMAINING TO FAR RIGHT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO NEAR FLANGE EDGES. (PAR)		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/22/2019	SHAWN AUSEL	
Details		
End Bent 1 Pile 6: KNIFE EDGING TO NEAR LEFT FLANGE EDGE. 1/8IN TAPERED SECTION LOSS 3/8IN REMAINING TO OTHER FLANGE EDGES. (PAR)		

Bridge Inspection Field Sketch



Roadway	24.5ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide	3ft Paved	
Right Shoulder	2ft Wide	2ft Paved	
Left Guardrail	3ft from road		
Right Guardrail	2ft from road		

MEASUREMENTS TAKEN @ NEAR END OF STRUCTURE

REVISED 6-20-19 BY TSA & MGB
CHECKED RGM 6-12-17

Title
ROADWAY

Description
LOOKING EAST AT WEST END

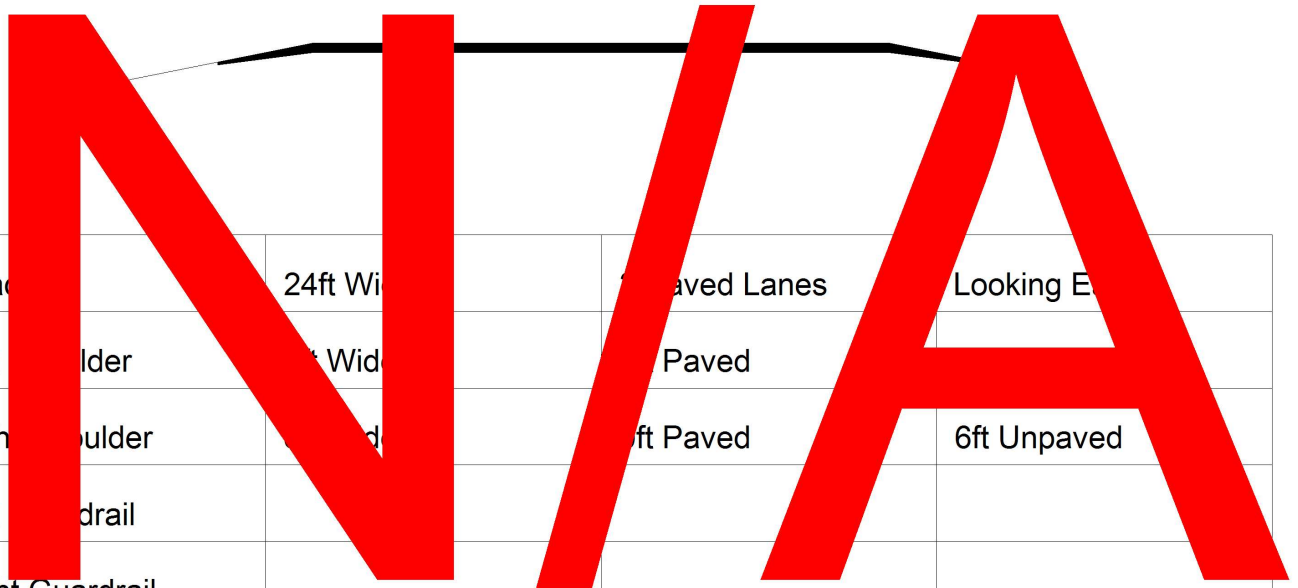
Bridge No: 090015

Drawn By: HBC

Date: 07/14/2005

File Name: S0042000711

Bridge Inspection Field Sketch



Roadway	24ft Width	2 Paved Lanes	Looking East
Left Shoulder	6ft Width	Not Paved	
Right Shoulder	6ft Width	6ft Paved	6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED BY RGM ON 6-22-15

Title

N/A ROADWAY

Description

LOOKING EAST, 100FT. WEST OF B RIDGE

Bridge No: 090015

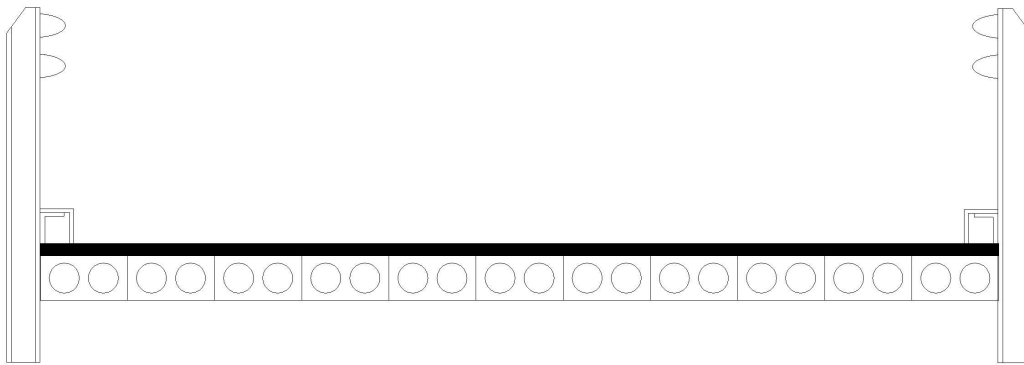
Drawn By: HBC

Date: 07/14/2005

File Name: S0042000712

Bridge Inspection Field Sketch

Deck Width/Out to Out	30.25ft	Between Rails	29.833ft
Clear Roadway	29.333ft	Wearing Surface	0.375ft
Median Width		Median Height	
Curb Height	Left	.333ft	Right .333ft
Sidewalk Width	Left		Right
Clear Roadway (Rail to Median)	Left		Right
Guardrail Width	Left	.833ft	Right .833ft
Top of Rail to Deck/Wearing Surface	Left	2.333ft	Right 2.333ft
Bridge Rail	Left	Type 23	Right Type 23



Measurements for Span #	1		
Deck Thickness	0	Left Overhang	0
Top of Rail to Bottom of Beam	4.12	Right Overhang	0

Number of Slabs	Slab Width	Slab Height	Comments
11	2.75ft	1.417ft	

REVISED 6-20-19 BY TSA & MGB
 CHECKED RGM 6-12-17

Title SUPERSTRUCTURE	Description LOOKING NORTH
Bridge No: 090015	Drawn By: HBC
Date: 08/10/2005	File Name: S0042000845

Bridge Inspection Field Sketch



Bent #	1	Bents 2,3,4,5,6 similar	
Cap - Pre-Cast			
Cap Size	32.167ft Long	1.5ft Wide	1.250ft High
Left Overhang	2.250ft	Lt Cap/Beam Overhang	2.333ft
Right Overhang	2.417ft	Rt Cap/Beam Overhang	2.375ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	5.5FT.		1FT.		Batter Pile
2	Steel	Pile Bent	5.5FT.		1FT.		Vertical
3	Steel	Pile Bent	5.5FT.		1FT.		Vertical
4	Steel	Pile Bent	5.5FT.		1FT.		Vertical
5	Steel	Pile Bent	5.5FT.		1FT.		Vertical
6	Steel	Pile Bent			1FT.		Batter Pile

VERIFIED 2/20/19 BY TSA

Title SUBSTRUCTURE	Description LOOKING NORTH
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Bridge No: 090015	Drawn By: HBC	Date: 08/10/2005	File Name: S0042000846
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Bridge Inspection Field Sketch



End Bent #	1	End Bent 2 similar	
Cap - Pre-Cast			
Cap Size	32.167ft Long	1.5ft Wide	1.250ft High
Left Overhang	2.250ft	Lt Cap/Beam Overhang	2.333ft
Right Overhang	2.417ft	Rt Cap/Beam Overhang	2.375ft

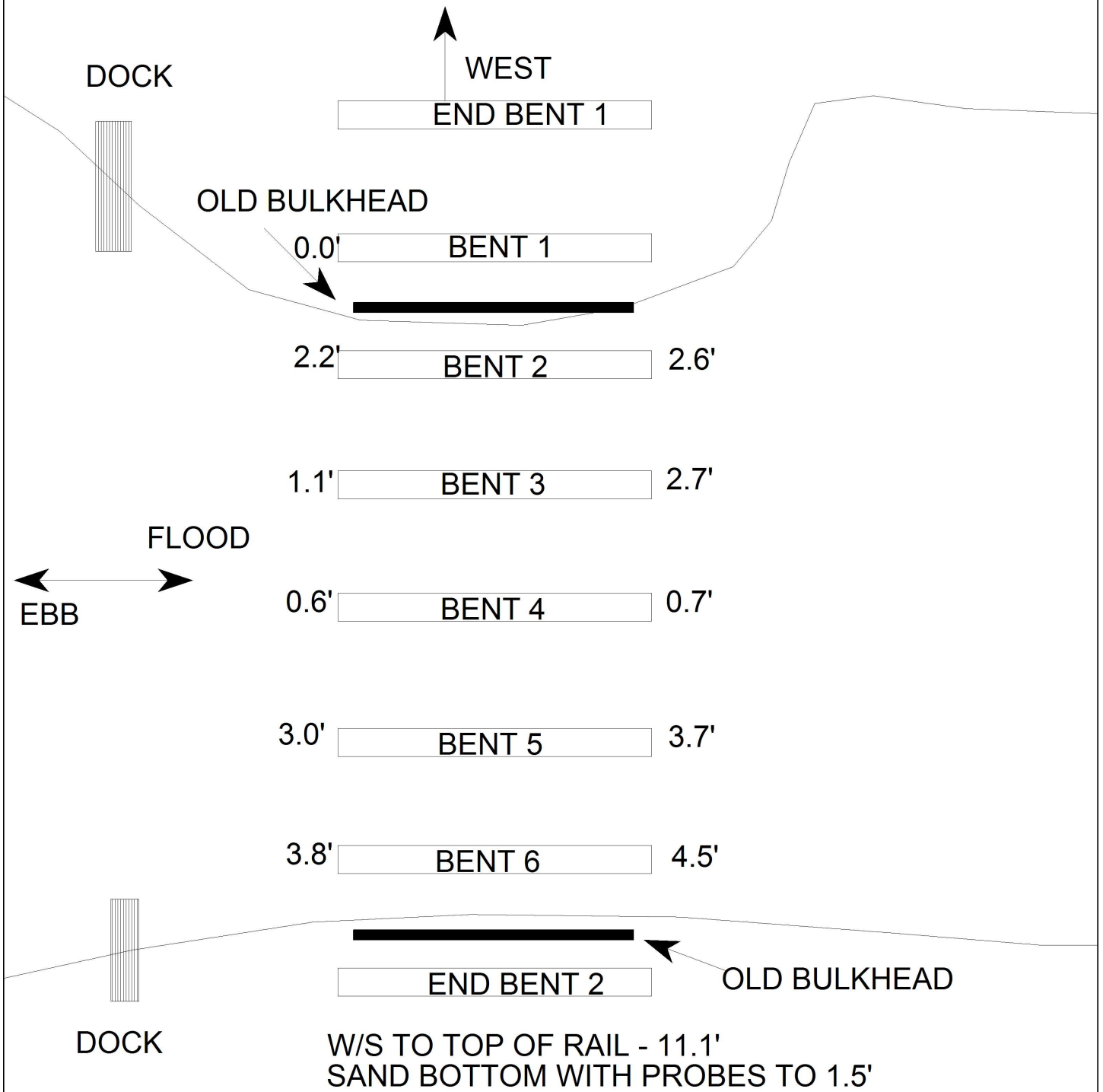
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	5.5FT.		1FT.		Vertical
2	Steel	Pile Bent	5.5FT.		1FT.		Vertical
3	Steel	Pile Bent	5.5FT.		1FT.		Vertical
4	Steel	Pile Bent	5.5FT.		1FT.		Vertical
5	Steel	Pile Bent	5.5FT.		1FT.		Vertical
6	Steel	Pile Bent			1FT.		Vertical

VERIFIED 6-20-19 BY TSA
 CHECKED RGM 6-12-17

Title SUBSTRUCTURE 2	Description LOOKING NORTH
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Bridge No: 090015	Drawn By: HBC	Date: 08/10/2005	File Name: S0042000847
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Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
CHANNEL OVERVIEW

Bridge No: 090015

Drawn By: PGR

Date: 1/24/17

File Name: S0174012478