



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE, SNOOPER, DATA CHANGES

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: CLEVELAND STRUCTURE NUMBER: 220015 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC180 MILE POST: _____

LOCATION: 0.3 MI. N. JCT. NC15 0.3 MI. N. JCT. NC150

FEATURE INTERSECTED: SEABOARD COASTLINE RR CSX RR

LATITUDE: 35° 18' 57.88" LONGITUDE: 81° 29' 39.92"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE: ABUTMENTS:RC STUB, INTERIOR BENT:RC POST & BEAM, SPREAD FOOTINGS

SPANS: 1@47'6", 1@57'6" SIMPLE

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

PRESENT CONDITION: Fair INSPECTION DATE: 10/03/2016

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING NORTH

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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS YES

INSPECTED BY K. Mobley	SIGNATURE <i>K. Mobley</i>	ASSISTED BY FGC
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Structure Element Scoring

Structure Number: 220015

Inspection Date 10/3/2016

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	2670	25	2299	346	0
107	0	Steel Open Girder/Beam	Beam	424	0	389	34	1
515	107	Steel Protective Coating	Beam	3276	2391	0	0	885
205	0	Reinforced Concrete Column	Piles and Columns	2	0	0	2	0
215	0	Reinforced Concrete Abutment	Abutments	58	57	1	0	0
234	0	Reinforced Concrete Pier Cap	Caps	81	55	1	25	0
301	0	Pourable Joint Seal	Expansion Joints	24	13	0	11	0
311	0	Movable Bearing	Bearing Device	8	0	0	8	0
515	311	Steel Protective Coating	Bearing Device	8	0	0	0	8
313	0	Fixed Bearing	Bearing Device	8	0	8	0	0
515	313	Steel Protective Coating	Bearing Device	8	0	8	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	212	210	0	2	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **220015**

Inspection Date: **10/03/2016**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	2359 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	129 Square Feet
3314	Steel Open Girder/Beam	Corrosion	35 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	11 Each
3348	Reinforced Concrete Column	Delamination/Spall	13 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	1 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	24 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3310	Pourable Joint Seal	Seal Damage	11 Feet
3334	Movable Bearing	Corrosion	8 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	2 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	795 Square Feet

Element Structure Maintenance Quantities

Structure Number: 220015

Inspection Date 10/03/2016

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	1	58	0	0	1	57
Beam	3314	Maintenance Steel Superstructure Components	35	424	1	34	389	0
Beam	3342	Clean and Paint Steel	779	3276	885	0	0	2391
Bearing Device	3334	Bridge Bearing	8	16	0	8	8	0
Bearing Device	3342	Clean and Paint Steel	16	16	8	0	8	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	2	212	0	2	0	210
Caps	3348	Maintenance of Concrete Substructure	27	81	0	25	1	55
Deck	3326	Maintenance of Concrete Deck	2488	2670	0	346	2299	25
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	11	24	0	11	0	13
Piles and Columns	3348	Maintenance of Concrete Substructure	24	2	0	2	0	0

Element Condition and Maintenance Data

Structure Number: 220015

Inspection Date: 10/03/2016

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,208	13	1,040	155	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	UP TO 1/2" TRANSVERSE CRACKS AND UP TO 1/16" MAP CRACKS IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT, CRACKS NEAR MIDSPAN SHOWN IN PHOTO	3	100	100 Square Feet
12	Delamination/Spall	UP TO 21" X 12" X 1 3/4" DEEP SPALLS WITH EXPOSED REBAR AND UP TO 48" X 22" AREAS OF DELAMINATION THROUGHOUT BOTTOM OF BOTH OVERHANGS, CONDITION IN BOTTOM OF RIGHT OVERHANG NEAR MIDSPAN SHOWN IN PHOTO	3	50	50 Square Feet
12	Delamination/Spall	UP TO 22" X 16" X 1 1/2" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF BOTH OVERHANGS ABOVE BENT, SPALL IN BOTTOM OF LEFT OVERHANG SHOWN IN PHOTO	3	5	5 Square Feet
12	Abrasion/Wear (PSC/RC)	1120 SF OF WORN CONCRETE WITH EXPOSED AGGREGATE THROUGHOUT TOP OF DECK	2		Square Feet
12	Cracking (RC and Other)	900 SF OF UP TO 0.01" MAP CRACKS THROUGHOUT BOTTOM OF DECK IN BAYS 1 THRU 3	2		Square Feet
12	Cracking (RC and Other)	UP TO 0.03" MAP CRACKS THROUGHOUT TOP OF DECK	2	1,020	1,020 Square Feet
12	Patched Areas	TWO (2) PATCHED AREAS UP TO 81" X 35" IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT	2	20	Square Feet

General Comments

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	38	10	0 Feet
515	Steel Protective Coating	350	233	0	0	117 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 13" LONG X 3" WIDE DOWN TO 1/2" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	9	9 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTTOM FLANGE UP TO 6" LONG X FULL WIDTH DOWN TO 5/8" RESIDUAL FLANGE AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	3	1	1 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3		Feet
107	Corrosion	48' OF SURFACE CORROSION THROUGHOUT BEAM	2	38	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	96	96 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH IN WEB AND 13" LONG X 3" WIDE	4	18	18 Square Feet

		ALONG BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO				
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTTOM FLANGE UP TO 6" LONG AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	2	2	Square Feet

General Comments

Span 1 Beam 2 Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	46	2	0 Feet
515	Steel Protective Coating	350	248	0	0	102 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 8" LONG X 2 1/2" WIDE DOWN TO 11/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	2	2 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3		Feet
107	Corrosion	48' OF SURFACE CORROSION THROUGHOUT BEAM	2	46	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	96	96 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH IN WEB AND 8" LONG X 2 1/2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	2	2 Square Feet

General Comments

Span 1 Beam 3 Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	44	4	0 Feet
515	Steel Protective Coating	350	246	0	0	104 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 3" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	4	4 Feet
107	Corrosion	48' OF SURFACE CORROSION THROUGHOUT BEAM	2	44	Feet

Structure Number: **220015**

Inspection Date: **10/03/2016**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH IN WEB AND 3" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	8	8	Square Feet

General Comments

Span 1 Beam 4 Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	47	1	0 Feet
515	Steel Protective Coating	350	250	0	0	100 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 10" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	3	1	1 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	3		Feet
107	Corrosion	48' OF SURFACE CORROSION THROUGHOUT BEAM	2	47	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	96	96 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH IN WEB AND 10" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4	2	2 Square Feet

General Comments

Span 1 Left Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	48	47	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Delamination/Spall	TWO (2) SPALLS UP TO 7" X 5" X 2" DEEP IN ENDS OF RAIL, APPROXIMATELY 16' FROM END BENT 1 (SEE PHOTO)	3	1	1 Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 1 BEARING AT END BENT 1	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 1 BEARING AT END BENT 1	2	1	1 Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 1 BEARING AT BENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING AT BENT	4	1	1 Square Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 2 BEARING AT END BENT 1	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 2 BEARING AT END BENT 1	2	1	1 Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 2 BEARING AT BENT	3	1	1 Each

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING AT BENT	4	1	1	Square Feet
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General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 3 BEARING AT END BENT 1 (SEE PHOTO)	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 3 BEARING AT END BENT 1	2	1	1 Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 3 BEARING AT BENT (SEE PHOTO)	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING AT BENT	4	1	1 Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 4 BEARING AT END BENT 1	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 4 BEARING AT END BENT 1	2	1	1 Square Feet

General Comments

Span 1 Far Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 4 BEARING AT BENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING AT BENT	4	1	1 Square Feet

General Comments**Span 2 Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,462	12	1,259	191	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	UP TO 1/4" TRANSVERSE CRACKS AND UP TO 1/16" MAP CRACKS IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT	3	120	120 Square Feet
12	Delamination/Spall	16" X 7" X 1" DEEP SPALL IN TOP OF DECK IN WHEEL LINE OF SOUTHBOUND LANE, APPROXIMATELY 8' FROM END BENT 2 FILL FACE (SEE PHOTO)	3	1	1 Square Feet
12	Delamination/Spall	UP TO 36" X 12" X 1 3/4" DEEP SPALLS WITH EXPOSED REBAR AND UP TO 18" DIAMETER AREAS OF DELAMINATION THROUGHOUT BOTTOM OF BOTH OVERHANGS	3	70	70 Square Feet
12	Abrasion/Wear (PSC/RC)	1240 SF OF WORN CONCRETE WITH EXPOSED AGGREGATE THROUGHOUT TOP OF DECK	2		Square Feet
12	Cracking (RC and Other)	1000 SF OF UP TO 0.01" MAP CRACKS THROUGHOUT BOTTOM OF DECK IN BAYS 1 THRU 3	2		Square Feet
12	Cracking (RC and Other)	UP TO 0.03" MAP CRACKS THROUGHOUT TOP OF DECK, CRACKS IN NORTHBOUND LANE APPROXIMATELY 8' FROM BENT SHOWN IN PHOTO	2	1,119	1,119 Square Feet
12	Delamination/Spall	20" X 20" AREA OF DELAMINATION IN BOTTOM OF DECK IN BAY 1, APPROXIMATELY 25' FROM END BENT 2	2		3 Square Feet
12	Patched Areas	13 PATCHED AREAS UP TO 15' X 67" IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT, CONDITION IN NORTHBOUND LANE APPROXIMATELY 16' FROM END BENT 2 FILL FACE SHOWN IN PHOTO	2	140	Square Feet

General Comments**Span 2 Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	58	0	52	5	1 Feet
515	Steel Protective Coating	469	348	0	0	121 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE WITH 4" X 1/4" HOLE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	1	1 Feet

Span 2 **Beam 3**
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	58	0	54	4	0 Feet
515	Steel Protective Coating	469	355	0	0	114 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 20" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	3	3 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	3	1	1 Feet
107	Corrosion	58' OF SURFACE CORROSION THROUGHOUT BEAM	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	106	106 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH IN WEB AND 20" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	6	6 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4	2	2 Square Feet

General Comments

Span 2 **Beam 4**
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	58	0	52	6	0 Feet
515	Steel Protective Coating	469	352	0	0	117 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE WITH UP TO 1/2" DIAMETER HOLES AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4		Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE DOWN TO 5/16" RESIDUAL FLANGE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	3	1	1 Feet
107	Corrosion	PRIORITY MAINTENANCE: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 28" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	5	5 Feet
107	Corrosion	58' OF SURFACE CORROSION THROUGHOUT BEAM	2	52	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	4	106	106 Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9"	4	1	1 Square Feet

515	Effectiveness (Steel Protective Coatings)	LONG X 2" WIDE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH IN WEB AND 28" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	PRIORITY MAINTENANCE: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE WITH UP TO 1/2" DIAMETER HOLES AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO	4	2	2	Square Feet

General Comments

Span 2 Expansion Joint 2 Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	24	13	0	11	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Damage	DETERIORATED JOINT MATERIAL ALONG BENT JOINT IN VARIOUS LOCATIONS THROUGHOUT, CONDITION IN SOUTHBOUND LANE SHOWN IN PHOTO	3	11	11 Feet

General Comments

Span 2 Left Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	58	57	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Delamination/Spall	10" X 4" X 2" DEEP SPALL IN SOUTH END OF RAIL, APPROXIMATELY 16' FROM END BENT 2	3	1	1 Feet

General Comments

Span 2 Near Bearing Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 1 BEARING AT BENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING AT BENT	4	1	1 Square Feet

General Comments

Span 2 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 1 BEARING AT END BENT 2	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 1 BEARING AT END BENT 2	2	1	1	Square Feet

General Comments

Span 2 Near Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 2 BEARING AT BENT	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING AT BENT	4	1	1	Square Feet

General Comments

Span 2 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 2 BEARING AT END BENT 2	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 2 BEARING AT END BENT 2	2	1	1	Square Feet

General Comments

Span 2 Near Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 3 BEARING AT BENT	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING AT BENT	4	1	1	Square Feet
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General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 3 BEARING AT END BENT 2	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 3 BEARING AT END BENT 2	2	1	1 Square Feet

General Comments**Span 2 Near Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SCALING AND PACK RUST THROUGHOUT BEAM 4 BEARING AT BENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING AT BENT	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 4 BEARING AT END BENT 2	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT EXPOSED FACE OF BEAM 4 BEARING AT END BENT 2	2	1	1 Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	23	0	1	22	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	56" X 6" X 3" AREA OF DELAMINATION AND UP TO 1/8" LONGITUDINAL AND HORIZONTAL CRACKS AND HAIRLINE MAP CRACKS THROUGHOUT TOP, BOTTOM AND SPAN 2 FACE OF CAP, CONDITION BENEATH BAY 2 SHOWN IN PHOTO	3	22	22 Feet
234	Cracking (RC and Other)	UP TO 0.04" MAP CRACKS IN BOTH ENDS OF CAP EXTENDING INTO ALL FACES, CRACKS IN LEFT END SHOWN IN PHOTO	2	1	2 Feet

General Comments**End Bent 1****Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	29	26	0	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	PRIORITY MAINTENANCE: 28" X 8" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN FACE OF CAP TO RIGHT OF BEAM 1 (SEE PHOTO)	3	3	3 Feet

General Comments**Bent 1****Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	PRIORITY MAINTENANCE: 18" X 7" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP (SEE PHOTO)	3		2 Each
205	Delamination/Spall	PRIORITY MAINTENANCE: 55" X 6" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 16' FROM BOTTOM OF CAP (SEE PHOTO)	3	1	5 Each
205	Cracking (RC and Other)	33" X 16" X 4" AREA OF DELAMINATION WITH UP TO 0.025" VERTICAL CRACKS IN SOUTHEAST CORNER OF COLUMN AT BOTTOM OF CAP	2		3 Each
205	Cracking (RC and Other)	UP TO 0.025" VERTICAL CRACKS IN SOUTHWEST CORNER OF COLUMN, APPROXIMATELY 9' FROM BOTTOM OF CAP	2		3 Each
205	Delamination/Spall	8" X 3" X 2 1/2" AREA OF DELAMINATION WITH UP TO 0.012" VERTICAL CRACKS IN SOUTHWEST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP	2		Each

General Comments

Bent 1**Pile 2****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	17" X 5" X 3" AREA OF DELAMINATION WITH UP TO 1/16" VERTICAL CRACKS IN NORTHWEST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP	3	1	2 Each
205	Cracking (RC and Other)	36" X 5" X 6" AREA OF DELAMINATION WITH UP TO 1/16" VERTICAL CRACKS IN NORTHWEST CORNER OF COLUMN, APPROXIMATELY 9' FROM GROUND LOOKING	3		3 Each
205	Delamination/Spall	PRIORITY MAINTENANCE: 66" X 4" X 2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHWEST CORNER OF COLUMN AT BOTTOM OF CAP (SEE PHOTO)	3		6 Each

General Comments**End Bent 2****Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	29	28	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	10" X 8" AREA OF DELAMINATION IN FACE OF CURTAIN WALL TO LEFT OF GIRDER 1	2	1	1 Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1208
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	48
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1462
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	58
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	58
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	58
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	58
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	58
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	58
Span 2	Expansion Joint 2	Standard Joint	Pourable Joint Seal	24
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	23
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	29
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	29

National Bridge and NC Inspection Items

Structure Number: 220015

Inspection Date: 10/03/2016

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	2520	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	13
Traffic Control Time	Hours	12
Snooper Time	Hours	4
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 220015

Inspection Date: 10/03/2016

Item	Superstructure - Item 59	Grade 6	Maint Code	Qty. 0
Details	BENT DIAPHRAGMS: UP TO FULL LENGTH X FULL WIDTH X UP TO 6" DEEP SPALLS WITH EXPOSED REBAR IN DIAPHRAGMS, CONDITION IN BAY 2 OF SPAN 1 SHOWN IN PHOTO			
Item	Substructure - Item 60	Grade 6	Maint Code	Qty. 0
Details	BENT STRUTS: UP TO 47" X 10" X 2" AREAS OF DELAMINATION WITH UP TO 1/4" HORIZONTAL AND LONGITUDINAL CRACKS IN VARIOUS LOCATIONS THROUGHOUT EDGES OF STRUTS			
Item	Approach Roadway Alignment - Item 72	Grade 8	Maint Code	Qty. 0
Details	12" X 4" X FULL DEPTH POTHOLE IN WHEEL LINE OF NORTHBOUND LANE ALONG END BENT 1 FILL FACE THREE (3) POTHOLES UP TO 42" X 7" X FULL DEPTH IN NORTHBOUND LANE ALONG END BENT 2 FILL FACE			
Item	Priority Maintenance Issued	Grade Y	Maint Code	Qty. 0
Details	END BENT 1 CAP SPAN 1 BEAM 1 AND PAINT SYSTEM (x3) SPAN 1 BEAM 2 AND PAINT SYSTEM (x2) SPAN 1 BEAM 3 AND PAINT SYSTEM SPAN 1 BEAM 4 AND PAINT SYSTEM (x2) BENT 1 COLUMN 1 (x2) BENT 1 COLUMN 2 SPAN 2 BEAM 1 AND PAINT SYSTEM (x3) SPAN 2 BEAM 2 AND PAINT SYSTEM SPAN 2 BEAM 3 AND PAINT SYSTEM (x2) SPAN 2 BEAM 4 AND PAINT SYSTEM (x3)			
Item	Deck Debris	Grade F	Maint Code 3376	Qty. 2520
Details	DIRT AND DEBRIS ACCUMULATION IN BOTH SHOULDERS, ACCUMULATION IN LEFT SHOULDER SHOWN IN PHOTO			



Span 1 Deck: UP TO 21" X 12" X 1 3/4" DEEP SPALLS WITH EXPOSED REBAR AND UP TO 9" X 9" AREAS OF DELAMINATION THROUGHOUT BOTTOM OF BOTH OVERHANGS, CONDITION IN BOTTOM OF RIGHT OVERHANG NEAR MIDSPAN SHOWN



Span 1 Beam 3 Near Bearing: SURFACE CORROSION THROUGHOUT EXPOSED FACE OF BEAM 3 BEARING AT END BENT 1



End Bent 1 Cap 1: 28" X 8" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN FACE OF CAP TO RIGHT OF BEAM 1, PRIORITY MAINTENANCE



Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTTOM FLANGE UP TO 6" LONG X FULL WIDTH DOWN TO 5/8" RESIDUAL FLANGE AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Deck: UP TO 22" X 16" X 1 1/2" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM OF BOTH OVERHANGS ABOVE BENT, SPALL IN BOTTOM OF LEFT OVERHANG SHOWN



Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 13" LONG X 3" WIDE DOWN TO 1/2" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE WITH 4" X 1/4" HOLE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Bent 1 Cap 1: UP TO 0.04" MAP CRACKS IN BOTH ENDS OF CAP EXTENDING INTO ALL FACES, CRACKS IN LEFT END SHOWN



Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 55" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 30" LONG X FULL WIDTH DOWN TO 1/2" RESIDUAL FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Bent 1 Pile 1: 55" X 6" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 16' FROM BOTTOM OF CAP, PRIORITY MAINTENANCE



Bent 1 Pile 1: 18" X 7" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP, PRIORITY MAINTENANCE



BENT DIAPHRAGMS: UP TO FULL LENGTH X FULL WIDTH X UP TO 6" DEEP SPALLS WITH EXPOSED REBAR IN DIAPHRAGMS, CONDITION IN BAY 2 OF SPAN 1 SHOWN



Span 1 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 8" LONG X 2 1/2" WIDE DOWN TO 11/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 2: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 18" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 9" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 3" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 3 Far Bearing: SCALING AND PACK RUST THROUGHOUT BEAM 3 BEARING AT BENT



Span 2 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 20" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Bent 1 Cap 1: 56" X 6" X 3" AREA OF DELAMINATION AND UP TO 1/8" LONGITUDINAL AND HORIZONTAL CRACKS AND HAIRLINE MAP CRACKS THROUGHOUT TOP, BOTTOM AND SPAN 2 FACE OF CAP, CONDITION BENEATH BAY 2 SHOWN



Bent 1 Pile 2: 66" X 4" X 2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHWEST CORNER OF COLUMN AT BOTTOM OF CAP, PRIORITY MAINTENANCE



Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 28" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 3: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 10" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE WITH UP TO 1/2" DIAMETER HOLES AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 4" LONG X 5" WIDE DOWN TO 1/4" RESIDUAL FLANGE AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE DOWN TO 5/16" RESIDUAL FLANGE AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN, PRIORITY MAINTENANCE



Span 1 Left Bridge Rail: TWO (2) SPALLS UP TO 7" X 5" X 2" DEEP IN ENDS OF RAIL, APPROXIMATELY 16' FROM END BENT 1



DIRT AND DEBRIS ACCUMULATION IN BOTH SHOULDERS, ACCUMULATION IN LEFT SHOULDER SHOWN



Expansion Joint 2: DETERIORATED JOINT MATERIAL ALONG BENT JOINT IN VARIOUS LOCATIONS THROUGHOUT, CONDITION IN SOUTHBOUND LANE SHOWN



Span 1 Deck: UP TO 1/2" TRANSVERSE CRACKS AND UP TO 1/16" MAP CRACKS IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT, CRACKS NEAR MIDSPAN SHOWN



Span 2 Deck: UP TO 0.03" MAP CRACKS THROUGHOUT TOP OF DECK, CRACKS IN NORTHBOUND LANE APPROXIMATELY 8' FROM BENT SHOWN



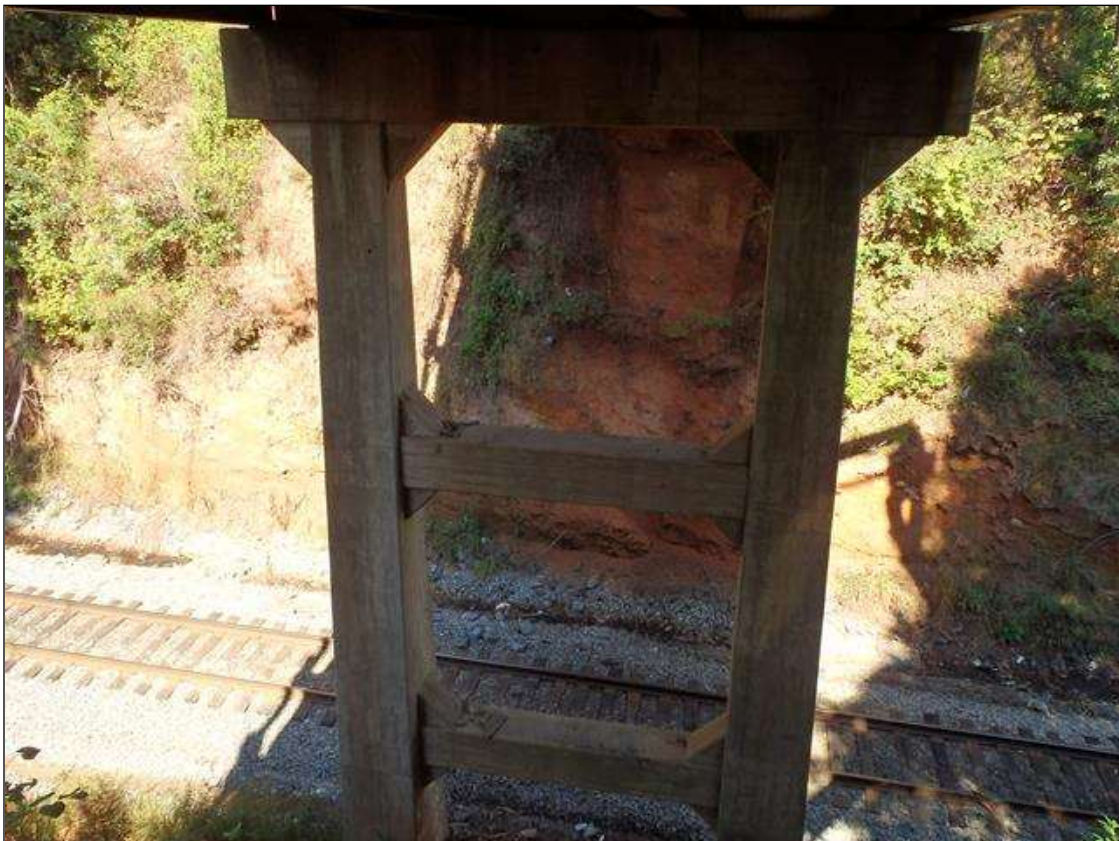
Span 2 Deck: 13 PATCHED AREAS UP TO 15' X 67" IN TOP OF DECK IN VARIOUS LOCATIONS THROUGHOUT, CONDITION IN NORTHBOUND LANE APPROXIMATELY 16' FROM END BENT 2 FILL FACE SHOWN



Span 2 Deck: 16" X 7" X 1" DEEP SPALL IN TOP OF DECK IN WHEEL LINE OF SOUTHBOUND LANE,
APPROXIMATELY 8' FROM END BENT 2 FILL FACE



END BENT 1, END BENT 2 SIMILAR



BENT



SPAN 2 UNDERDECK, SPAN 1 SIMILAR



BEAM 1 BEARING AT BENT IN SPAN 1, OTHERS SIMILAR AT BENT



EAST PROFILE, LOOKING WEST



WEST PROFILE, LOOKING EAST



GUARDRAIL END TREATMENT AT SOUTHWEST CORNER, SOUTHEAST AND NORTHEAST CORNERS SIMILAR



GUARDRAIL TO BARRIER RAIL TRANSITION AT SOUTHEAST CORNER, OTHERS SIMILAR



LEFT RAIL, RIGHT RAIL SIMILAR



TRANSITION ALONG END BENT 1 FILL FACE, TRANSITION ALONG END BENT 2 FILL FACE SIMILAR



LOOKING EAST



LOOKING WEST



GUARDRAIL END TREATMENT AT NORTHWEST CORNER



BENT JOINT



LOOKING NORTH



NORTH APPROACH, LOOKING SOUTH

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

Run Date: 02/23/2017

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **220015**
 (8) STRUCTURE NUMBER(FEDERAL) 00000000450015
 (5) INVENTORY ROUTE (ON/UNDER) - ON 31001800
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 45 (4) PLACE CODE 61200
 (6) FEATURE INTERSECTED - CSX RR
 (7) FACILITY CARRIED NC180
 (9) LOCATION 0.3 MI. N. JCT. NC150
 (11)MILEPOINT 0
 (16)LAT 35° 18' 57.88" (17)LONG 81° 29' 39.92"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 71.09
 STATUS = Functionally Obsolete

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is not on NHS 0
 (26) FUNCTIONAL CLASS - Minor Arterial 16
 (100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
 (101)PARALLEL STRUCTURE - No Parallel Structure N
 (102)DIRECTION OF TRAFFIC - 2-way Traffic 2
 (103)TEMPORARY STRUCTURE -
 (110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
 (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

(43) STRUCTURE TYPE MAIN: Steel
 TYPE - Stringer Mutlibeam or Girder CODE 302
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 2
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION CODE

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

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD H 15 2
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-28 50
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-17 30
 (70) BRIDGE POSTING - No Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 1950
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Railroad CODE 12
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 8700
 (30) YEAR OF ADT 2013 (109) TRUCK ADT PCT 6%
 (19) BYPASS OR DETOUR LENGTH 3 MI

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 6
 (68) DECK GEOMETRY 2
 (69) UNDERCLEARANCES,VERTI & HORIZ 4
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0111
 (113)SCOUR CRITICAL BRIDGES N

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 56 FT
 (49) STRUCTURE LENGTH 105 FT
 (50)CURB OR SIDEWALK: LEFT 1 FT RIGHT 1 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
 (52) DECK WIDTH OUT TO OUT 28.167 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 22 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Railroad 34.08 FT
 (55) MIN LAT UNDERCLEAR RT REF Railroad 8 FT
 (56) MIN LAT UNDERCLEAR LT REF - 000 FT

PROPOSED IMPROVEMENTS CODE

(75) TYPE OF WORK - CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114)FUTURE ADT 17400 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 10/03/2016
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - NO B)
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NAVIGATION DATA

(38) NAVIGATION CONTROL - Not Applicable CODE N
 (111)PIER PROTECTION - CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
 (40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

Structure No: 220015

County: CLEVELAND

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1							
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	RR	80000000							0	0	0		R	34.08	8		9			

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 02/23/2017

COUNTY : CLEVELAND DIVISION : 12 DISTRICT : 1 STRUCTURE NUMBER : 220015 LENGTH : 105 FEET

ROUTE CARRIED : NC180 FEATURE INTERSECTED : CSX RR

LOCATED : 0.3 MI. N. JCT. NC150 BRIDGE NAME : CITY : *SHELBY

FUNC. CLASS : 16 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 8700 2013 RAIL TYPE : LT 181 RT 181

BUILT : 1950 BY : SHPWC PROJ : 9-9-80-20 FED.AID PROJ : DESIGN LOAD : H 15

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

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE : ABUTMENTS:RC STUB, INTERIOR BENT:RC POST & BEAM, SPREAD FOOTINGS

SPANS : 1@47'6", 1@57'6" SIMPLE

BEAMS OR GIRDERS : 4 LINES OF I-BEAMS @ 6'9" CENTERS, SP#1:W30X116, SP#2:W33X141

FLOOR : 6.75" RC SLAB ENCROACHMENT : DECK (OUT TO OUT) : 28.167 FT

CLEAR ROADWAY : 24 FT BETWEEN RAILS : 26 FT SIDEWALK OR CURB : LT 1 FT RT 1 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-17 OPE.RTG. : HS-28 CONTR.MEMBER : Extbm(A) POSTED : SV TTST DATE 02/26/2014

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

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	RR	0	34.08	0	0	8

Note: All measurements are in feet.

REMARKS :






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	0	Span 1 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTTOM FLANGE UP TO 6" LONG X FULL WIDTH DOWN TO 5/8" RESIDUAL FLANGE AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	9	Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 13" LONG X 3" WIDE DOWN TO 1/2" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 8" LONG X 2 1/2" WIDE DOWN TO 11/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	0	Span 1 Beam 2: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 3" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	0	Span 1 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 10" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 55" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 30" LONG X FULL WIDTH DOWN TO 1/2" RESIDUAL FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE WITH 4" X 1/4" HOLE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 4" LONG X 5" WIDE DOWN TO 1/4" RESIDUAL FLANGE AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 18" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 9" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 20" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 3: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE WITH UP TO 1/2" DIAMETER HOLES AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined








BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 28" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE DOWN TO 5/16" RESIDUAL FLANGE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
 3342	Clean and Paint Structural Steel	SF	4	Span 2 Beam 1: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
 3348	Maintain Concrete Substructure Components	LF	3	End Bent 1 Cap 1: 28" X 8" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN FACE OF CAP TO RIGHT OF BEAM 1.	
 3348	Maintain Concrete Substructure Components	LF	5	Bent 1 Pile 1: 55" X 6" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 16' FROM BOTTOM OF CAP.	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 1 Pile 1: 18" X 7" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP.	
 3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Pile 2: 66" X 4" X 2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHWEST CORNER OF COLUMN AT BOTTOM OF CAP.	
3342	Clean and Paint Structural Steel	SF	2	Span 1 Beam 1: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3342	Clean and Paint Structural Steel	SF	1	Span 1 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTTOM FLANGE UP TO 6" LONG AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	18	Span 1 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH IN WEB AND 13" LONG X 3" WIDE ALONG BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	4	Span 1 Beam 2: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH IN WEB AND 8" LONG X 2 1/2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	2	Span 1 Beam 2: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	8	Span 1 Beam 3: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH IN WEB AND 3" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	2	Span 1 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH IN WEB AND 10" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	2	Span 1 Beam 4: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3342	Clean and Paint Structural Steel	SF	10	Span 2 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 55" LONG X 6" HIGH IN WEB AND 30" LONG X FULL WIDTH ALONG BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	1	Span 2 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 4" LONG X 5" WIDE DOWN TO 1/4" RESIDUAL FLANGE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	4	Span 2 Beam 2: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 18" LONG X 2" HIGH IN WEB AND 9" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	6	Span 2 Beam 3: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH IN WEB AND 20" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	2	Span 2 Beam 3: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	2	Span 2 Beam 4: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

Date: 10/03/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3342	Clean and Paint Structural Steel	SF	8	Span 2 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH IN WEB AND 28" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.	
3342	Clean and Paint Structural Steel	SF	1		Span 2 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTTOM FLANGE UP TO 6" LONG X FULL WIDTH DOWN TO 5/8" RESIDUAL FLANGE AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification Received
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 13" LONG X 3" WIDE DOWN TO 1/2" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification Received
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 8" LONG X 2 1/2" WIDE DOWN TO 11/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 2: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 3" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE WITH UP TO 1/16" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 10" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 55" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 30" LONG X FULL WIDTH DOWN TO 1/2" RESIDUAL FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE WITH 4" X 1/4" HOLE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 4" LONG X 5" WIDE DOWN TO 1/4" RESIDUAL FLANGE AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 2: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 18" LONG X 2" HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB AND 9" LONG X 2" WIDE DOWN TO 3/4" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 3: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 20" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 3: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE WITH UP TO 1/8" LOSS OF SECTION AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 2 Beam 4: SCALING AND PACK RUST IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE WITH UP TO 1/2" DIAMETER HOLES AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH WITH UP TO 1/16" LOSS OF SECTION IN WEB AND 28" LONG X 3" WIDE DOWN TO 9/16" RESIDUAL FLANGE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 4: SCALING AND PACK RUST ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE DOWN TO 5/16" RESIDUAL FLANGE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 15" HIGH X 12" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
End Bent 1 Cap 1: 28" X 8" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN FACE OF CAP TO RIGHT OF BEAM 1.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Bent 1 Pile 1: 55" X 6" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 16' FROM BOTTOM OF CAP.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Bent 1 Pile 1: 18" X 7" X 2" DEEP SPALL WITH EXPOSED REBAR IN NORTHEAST CORNER OF COLUMN, APPROXIMATELY 13' FROM BOTTOM OF CAP.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Bent 1 Pile 2: 66" X 4" X 2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHWEST CORNER OF COLUMN AT BOTTOM OF CAP.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 1: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 10" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	1 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTTOM FLANGE UP TO 6" LONG AT FACE OF END BENT 1 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	18 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 102" LONG X 3" HIGH IN WEB AND 13" LONG X 3" WIDE ALONG BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 2: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 20" LONG X 4" HIGH IN WEB AND 8" LONG X 2 1/2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 2: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 7" WIDE AROUND BENT DIAPHRAGM, CONDITION ON LEFT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	8 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 1 Beam 3: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 48" LONG X 4" HIGH IN WEB AND 3" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 12" LONG X 2" HIGH IN WEB AND 10" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT BENT BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 1 Beam 4: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 13" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	10 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 55" LONG X 6" HIGH IN WEB AND 30" LONG X FULL WIDTH ALONG BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	1 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 1: DETERIORATED PAINT SYSTEM ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 4" LONG X 5" WIDE DOWN TO 1/4" RESIDUAL FLANGE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 2: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 18" LONG X 2" HIGH IN WEB AND 9" LONG X 2" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	6 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 3: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 34" LONG X 6" HIGH IN WEB AND 20" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 2 Beam 3: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 6" HIGH X 11" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
Span 2 Beam 4: DETERIORATED PAINT SYSTEM IN BOTH FACES OF WEB UP TO 14" HIGH X 12" WIDE AROUND BENT DIAPHRAGM, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220015

County CLEVELAND

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

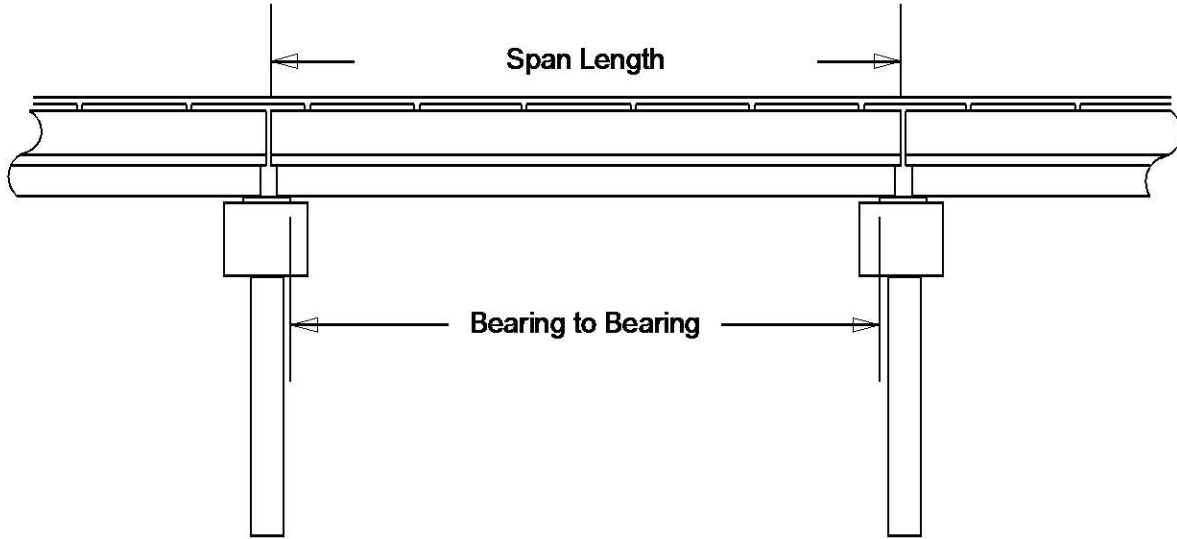
MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	8 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 58" LONG X 8" HIGH IN WEB AND 28" LONG X 3" WIDE ALONG EDGES OF BOTTOM FLANGE AT FACE OF BENT BEARING, CONDITION ON LEFT SIDE SHOWN IN PHOTO.</p>		

MMS Code	MMS Description	Quantity
3342	Clean and Paint Structural Steel	1 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/03/2016	D. Curtis	
Details		
<p>Span 2 Beam 4: DETERIORATED PAINT SYSTEM ALONG BOTH EDGES OF BOTTOM FLANGE UP TO 9" LONG X 2" WIDE ALONG EDGES AT FACE OF END BENT 2 BEARING, CONDITION ON RIGHT SIDE SHOWN IN PHOTO.</p>		

Structure Data Worksheet

Spans

County: CLEVELAND Structure No: 220015 Date: 10/03/2016 Inspected By: KMM



Span No	Span Length	Bearing to Bearing	Comments
1	47.5	46.42	
2	57.5	56.42	NBIS = 100.0

Bridge Inspection Field Sketch



Roadway	21.17ft Wide	2 Paved Lanes	Looking North
Left Shoulder	2.17ft Wide	0.5ft Paved	1.67ft Unpaved
Right Shoulder	2.0ft Wide	0.5ft Paved	1.5ft Unpaved
Left Guardrail	2.17ft from road		
Right Guardrail	2.0ft from road		

Measurements recorded approximately 25ft from bridge.

SKETCH REVISED BY LJZ ON 10.3.16

Title
APPROACH ROADWAY

Description
LOOKING NORTH

Bridge No: 220015

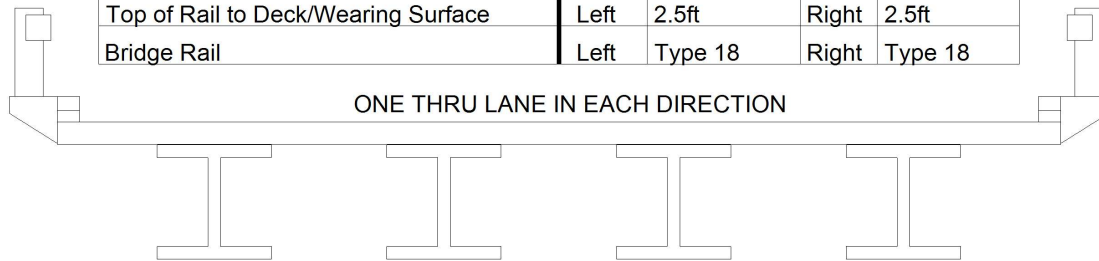
Drawn By: DJA

Date: 9/24/2008

File Name: S0290003790

Bridge Inspection Field Sketch

Deck Width/Out to Out	28.167ft*	Between Rails	26.0ft
Clear Roadway	24.0ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	0.75ft
		Right	0.75ft
Sidewalk Width		Left	
		Right	
Clear Roadway (Rail to Median)		Left	
		Right	
Guardrail Width		Left	0.58ft
		Right	0.58ft
Top of Rail to Deck/Wearing Surface		Left	2.5ft
		Right	2.5ft
Bridge Rail		Left	Type 18
		Right	Type 18



Measurements for Spans	1 and 2		
Deck Thickness	0.563	Left Overhang	3.958*
Top of Rail to Bottom of Beam	5.417	Right Overhang	3.958*

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

*Includes brackets. Not including brackets: Deck Width = 25.417; Overhangs = 2.583

Beam Details:

Span 1 = W30x116

Span 2 = W33x141

SKETCH REVISED BY LJZ ON 10.3.16 (CHANGES IN RED)

Title

TYPICAL SECTION

Description

4 LINES OF STEEL I-BEAMS

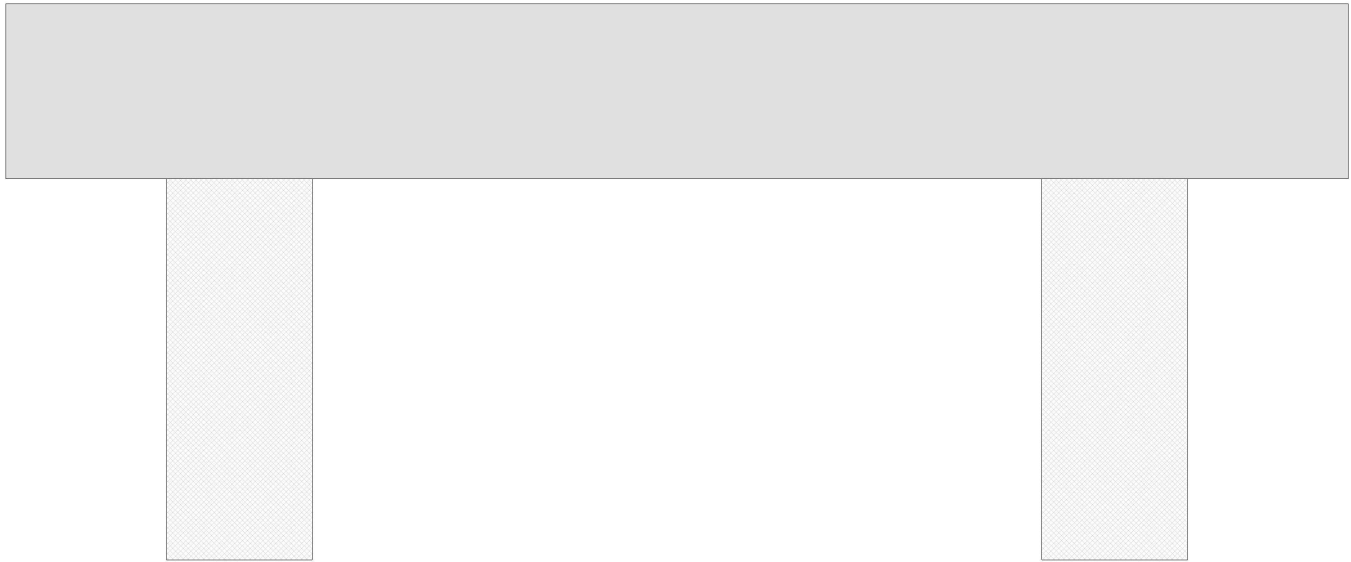
Bridge No: 220015

Drawn By: DJA

Date: 9/24/2008

File Name: S0290003791

Bridge Inspection Field Sketch

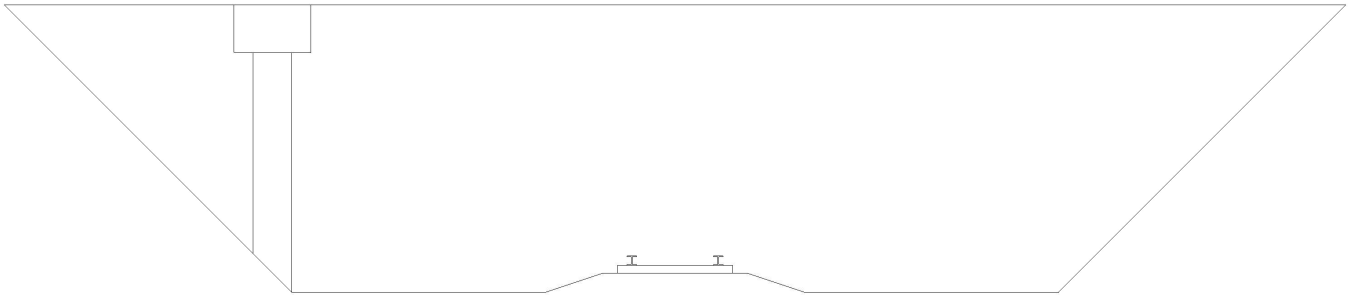


Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
23.0 ft.	2.5 ft.	2.5 ft.	4.0 ft.	4.0 ft.	1.375 ft.	1.375 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	15.0 ft.	2.5 ft.	2.0 ft.		Vertical	No	No	No	No
2	Concrete		2.5 ft.	2.0 ft.		Vertical	No	No	No	No
Bent										

SKETCH REVISED BY LJZ ON 10.3.16 (CHANGES IN RED)

Title BENT PROFILE				Description BENT			
Bridge No: 220015	Drawn By: DELVIN ADAMS		Date: 9/20/2012	File Name: S0146031738			

Bridge Inspection Field Sketch



Measurements Under Span 2

Rail to Rail	5.0ft	1 set(s) of tracks	Looking: West
Vertical Clearance	34.08ft	Measured from rail 2 at Beam #1	
Distance to Left Bent	7.58ft		
Distance to Left Toe of Slope			
Distance to Right Bent			
Distance to Right Toe of Slope	13.0ft		

SKETCH REVISED BY LJZ ON 10.3.16 (CHANGES IN RED)

Title UNDER CLEARANCE		Description SPAN 2, CSX RR	
Bridge No: 220015	Drawn By: DJA	Date: 9/24/2008	File Name: S0290003792

Bridge Inspection Field Sketch

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Title
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Description
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Bridge No: 220015

Drawn By: DJA

Date: 9/24/2008

File Name: S0290003882