



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED (BEAM 6, SPAN 3)

Structure Safety Report

Routine Element Inspection

COUNTY: HALIFAX STRUCTURE NUMBER: 410065 FREQUENCY: 24 MONTHS
FACILITY CARRIED: SR1100 MILE POST: _____
LOCATION: 1.0MI.W.NC125
FEATURE INTERSECTED: DEEP CREEK
LATITUDE: 36° 4' 26.05" LONGITUDE: 77° 26' 24.44"
SUPERSTRUCTURE: STEEL PLANK FLOOR ON CONT I-BEAMS
SUBSTRUCTURE: E.BTS&BTS:TIMBER CAPS/TIMBER PILES @ VAR CTS.
SPANS: 1@20';1@20'-3;1@20'-9;1@19'-6;1@20';1@20'-3;CONT
☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☒ SCOUR PLAN OF ACTION
PRESENT CONDITION: Fair INSPECTION DATE: 08/24/2015
POSTED SV: 39 POSTED TTST: 39
OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING EAST

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>

INSPECTED BY Z.S. DUNLOW	SIGNATURE <i>Z. S. Dunlow</i>	ASSISTED BY G.L. HARRINGTON
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Span Element Report

Structure Number: 410065

Inspection Date: 08/24/2015

Span Number 1

Span Length 20 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	308	0	175	0	175	3328
107		Steel Open Girder/Beam	400	120	90	190	0	280	3314
515	107	Steel Protective Coating	1990	1750	80	160	0	240	3342
216		Timber Abutment	36	36	0	0	0	0	3346
228		Timber Pile	8	8	0	0	0	0	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
301		Pourable Joint Seal	25	25	0	0	0	0	3310
311		Movable Bearing	20	14	6	0	0	6	3334
515	311	Steel Protective Coating	20	14	6	0	0	6	3342
313		Fixed Bearing	11	5	6	0	0	6	3334
515	313	Steel Protective Coating	10	5	5	0	0	5	3342
330		Metal Bridge Railing	40	38	0	2	0	2	3322
515	330	Steel Protective Coating	80	80	0	0	0	0	3342
510		Wearing Surface	477	437	40	0	0	40	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2

Span Length 20 Feet

Number of Beams/Girders: 0

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	283	0	200	0	200	3328
228		Timber Pile	5	5	0	0	0	0	3344
235		Timber Pier Cap	27	26	0	1	0	0	3344
330		Metal Bridge Railing	40	38	0	2	0	2	3322
515	330	Steel Protective Coating	80	80	0	0	0	0	3342
510		Wearing Surface	479	471	0	8	0	8	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3

Span Length 20 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	83	0	400	0	400	3328
107		Steel Open Girder/Beam	400	249	20	131	0	151	3314
515	107	Steel Protective Coating	1980	1819	30	131	0	161	3342
228		Timber Pile	6	6	0	0	0	0	3344
235		Timber Pier Cap	27	27	0	0	0	0	3344
301		Pourable Joint Seal	25	25	0	0	0	0	3310
311		Movable Bearing	20	5	15	0	0	15	3334
515	311	Steel Protective Coating	20	7	12	1	0	13	3342
313		Fixed Bearing	10	9	1	0	0	1	3334
515	313	Steel Protective Coating	0	-1	1	0	0	1	3342
330		Metal Bridge Railing	40	40	0	0	0	0	3322
515	330	Steel Protective Coating	80	80	0	0	0	0	3342
510		Wearing Surface	479	473	6	0	0	6	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 4

Span Length 20 Feet

Number of Beams/Girders: 0

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	468	0	15	0	15	3328
228		Timber Pile	5	5	0	0	0	0	3344
235		Timber Pier Cap	27	27	0	0	0	0	3344
330		Metal Bridge Railing	40	40	0	0	0	0	3322
510		Wearing Surface	479	471	8	0	0	8	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 5

Span Length 20 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	433	0	50	0	50	3328
107		Steel Open Girder/Beam	400	240	20	140	0	160	3314
515	107	Steel Protective Coating	1990	1830	20	140	0	160	3342
228		Timber Pile	6	6	0	0	0	0	3344
235		Timber Pier Cap	27	27	0	0	0	0	3344
301		Pourable Joint Seal	25	25	0	0	0	0	3310
311		Movable Bearing	20	8	12	0	0	12	3334
515	311	Steel Protective Coating	20	8	12	0	0	12	3342
313		Fixed Bearing	10	10	0	0	0	0	3334
515	313	Steel Protective Coating	10	10	0	0	0	0	3342
330		Metal Bridge Railing	40	39	0	1	0	1	3322
515	330	Steel Protective Coating	80	80	0	0	0	0	3342
510		Wearing Surface	479	467	12	0	0	12	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 6

Span Length 20 Feet

Number of Beams/Girders: 0

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	483	373	0	110	0	110	3328
216		Timber Abutment	36	33	3	0	0	0	3346
228		Timber Pile	13	13	0	0	0	0	3344
235		Timber Pier Cap	57	56	1	0	0	0	3344
330		Metal Bridge Railing	40	39	0	1	0	1	3322
515	330	Steel Protective Coating	80	80	0	0	0	0	3342
510		Wearing Surface	479	444	15	20	0	35	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 410065

Inspection Date: 08/24/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	308	0	175	0	175	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	20	18	0	2	0	2	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	477	437	40	0	0	40	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	40	20	20	0	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	20	0	0	20	3342	
☒ Beam	2	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	0	20	0	20	3342	
☒ Beam	3	107	Steel Open Girder/Beam	40	10	0	30	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	199	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	40	10	30	0	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	30	0	0	30	3342	
☒ Beam	5	107	Steel Open Girder/Beam	40	10	10	20	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	0	30	0	30	3342	
☒ Beam	6	107	Steel Open Girder/Beam	40	10	10	20	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	10	20	0	30	3342	
☒ Beam	7	107	Steel Open Girder/Beam	40	10	20	10	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	20	10	0	30	3342	
☒ Beam	8	107	Steel Open Girder/Beam	40	10	0	30	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	0	30	0	30	3342	
☒ Beam	9	107	Steel Open Girder/Beam	40	10	0	30	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	169	0	30	0	30	3342	
☒ Beam	10	107	Steel Open Girder/Beam	40	10	0	30	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	0	20	0	20	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	1	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☐ Bearing Device	1	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	2	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	2	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	3	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	4	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Structure Number: 410065

Inspection Date: 08/24/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	7	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	7	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	7	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	8	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	9	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	10	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	10	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☐ Expansion Joints	1	301	Pourable Joint Seal	25	25	0	0	0	0	3310	☐ Requested

Structure Number: 410065

Inspection Date: 08/24/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	283	0	200	0	200	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	18	0	2	0	2	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	479	471	0	8	0	8	2816	☐ Requested

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	83	0	400	0	400	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	479	473	6	0	0	6	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	40	30	10	0	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	178	20	0	0	20	3342	
☒ Beam	2	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	183	0	15	0	15	3342	
☒ Beam	3	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	178	0	20	0	20	3342	
☒ Beam	4	107	Steel Open Girder/Beam	40	30	10	0	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	188	10	0	0	10	3342	
☒ Beam	5	107	Steel Open Girder/Beam	40	30	0	10	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	188	0	10	0	10	3342	
☒ Beam	6	107	Steel Open Girder/Beam	40	19	0	21	0	21	3314	☒ Requested
Protective System		515	Steel Protective Coating	198	177	0	21	0	21	3342	
☒ Beam	7	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	183	0	15	0	15	3342	
☒ Beam	8	107	Steel Open Girder/Beam	40	40	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	198	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	40	10	0	30	0	30	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	168	0	30	0	30	3342	
☒ Beam	10	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	178	0	20	0	20	3342	
☒ Bearing Device	1	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	1	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	0	-1	1	0	0	1	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	2	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	3	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	5	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	6	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

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Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	8	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	8	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	9	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	10	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	0	1	0	1	3342	
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☐ Expansion Joints	1	301	Pourable Joint Seal	25	25	0	0	0	0	3310	☐ Requested

Span Number 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	468	0	15	0	15	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	479	471	8	0	0	8	2816	☐ Requested

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	433	0	50	0	50	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	19	0	1	0	1	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	479	467	12	0	0	12	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	40	20	20	0	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	20	0	0	20	3342	
☒ Beam	2	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	0	20	0	20	3342	
☒ Beam	3	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	0	20	0	20	3342	
☒ Beam	4	107	Steel Open Girder/Beam	40	30	0	10	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	189	0	10	0	10	3342	
☒ Beam	5	107	Steel Open Girder/Beam	40	30	0	10	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	189	0	10	0	10	3342	
☒ Beam	6	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	184	0	15	0	15	3342	
☒ Beam	7	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	184	0	15	0	15	3342	
☒ Beam	8	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	184	0	15	0	15	3342	
☒ Beam	9	107	Steel Open Girder/Beam	40	20	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	179	0	20	0	20	3342	
☒ Beam	10	107	Steel Open Girder/Beam	40	25	0	15	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	199	184	0	15	0	15	3342	
☒ Bearing Device	1	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	2	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	6	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	7	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	8	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	311	Movable Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	10	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	0	1	0	0	1	3342	
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☐ Expansion Joints	1	301	Pourable Joint Seal	25	25	0	0	0	0	3310	☐ Requested

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Span Number 6

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	483	373	0	110	0	110	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	20	19	0	1	0	1	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	20	20	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	40	40	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	479	444	15	20	0	35	2816	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 410065

Inspection Date: 08/24/2015

Span Number 1

Span	1	Deck	1	Component Name:	Steel Deck Corrugated
Element: 30	Name	Steel Deck Corrugated/Orthotrc	Qty: 483	Lvl 2: 0	Lvl 3 175 Lvl 4 0 Maint. Qty 175
Defect Description:					

175 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.

Span	1	Bridge Rail	2	Component Name:		Steel Rail							
Element:	330	Name	Metal Bridge Railing	Qty:	20	Lvl 2:	0	Lvl 3	2	Lvl 4	0	Maint. Qty	2
Defect Description:													

2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Span 1	Wearing Surfaces			Component Name:		Asphalt Wearing Surface							
Element: 510	Name	Wearing Surface		Qty:	477	Lvl 2:	40	Lvl 3	0	Lvl 4	0	Maint. Qty	40
Defect Description:													

40 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

Span 1	Beam 1	Component Name:		Plate Girder								
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	20	Lvl 3	0	Lvl 4	0	Maint. Qty	20
Defect Description:												

20 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
20 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam 2	Component Name:				Plate Girder						
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	20	Lvl 4	0	Maint. Qty	20
Defect Description:												

20 Feet of Corrosion IN TOP FLANGE, SPAN 2 WITH DOWN TO 1/8" REMAINING: Section loss is evident or pack rust is present but does not warrant structural review.
20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 1	Beam	3	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	30	Lvl 4	0	Maint. Qty	30
Defect Description:												

30 Feet of Corrosion: Section loss is present WITH 1/4" REMAINING. but does not warrant structural review.

Span 1	Beam	4	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	30	Lvl 3	0	Lvl 4	0	Maint. Qty	30
Defect Description:												

30 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
30 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	5	Component Name:				Plate Girder					
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	10	Lvl 3	20	Lvl 4	0	Maint. Qty	30
Defect Description:												

20 Feet of Corrosion: Section loss WITH 3/8" REMAINING IN TOP FLANGE AT MIDPOINT.is present but does not warrant structural review.

30 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

10 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

Span 1	Beam	6	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	10	Lvl 3	20	Lvl 4	0	Maint. Qty	30
Defect Description:												

20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

10 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

10 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Beam	7	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	20	Lvl 3	10	Lvl 4	0	Maint. Qty	30
Defect Description:													

10 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.

10 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

20 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

20 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Beam	8	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	30	Lvl 4	0	Maint. Qty	30
Defect Description:													

30 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.

30 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	1	Beam	9	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	30	Lvl 4	0	Maint. Qty	30
Defect Description:													

10 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.

10 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 1	Beam	10	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	30	Lvl 4	0	Maint. Qty	30
Defect Description:												

20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	1	Bearing Device	1	Component Name:	Fixed Bearing								
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	2	Component Name:	Fixed Bearing								
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	2	Component Name: Movable Bearing									
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	3	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	4	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	7	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	7	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	8	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	9	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	9	Component Name:	Fixed Bearing								
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

Span	1	Bearing Device	10	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	10	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span Number 2

Span	2	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 483 Lvl 2: 0 Lvl 3: 200 Lvl 4: 0 Maint. Qty: 200

Defect Description:

200 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.

Span	2	Bridge Rail	1	Component Name:	Steel Rail				
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Element: 330 Name Metal Bridge Railing Qty: 20 Lvl 2: 0 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 2

Defect Description:

2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Span	2	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 479 Lvl 2: 0 Lvl 3: 8 Lvl 4: 0 Maint. Qty: 8

Defect Description:

8 Square Feet of Spalled Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole.

Span Number 3

Span	3	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 483 Lvl 2: 0 Lvl 3: 400 Lvl 4: 0 Maint. Qty: 400

Defect Description:

15 Feet of Corrosion: Section loss is evident with down to 1/4" remaining at midpoint, or pack rust is present but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

150 Square Feet of Corrosion: Section loss with down to 1/8" remaining is evident or pack rust is present but does not warrant structural review.

Span	3	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 479 Lvl 2: 6 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 6

Defect Description:

6 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

Span	3	Beam	1	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 10 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 10

Defect Description:

10 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span	3	Beam	2	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3: 15 Lvl 4: 0 Maint. Qty: 15

Defect Description:

15 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	3	Beam	3	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3: 20 Lvl 4: 0 Maint. Qty: 20

Defect Description:

20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	3	Beam	4	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 10 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 10

Defect Description:

Span 3	Beam	5	Component Name:				Plate Girder					
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	10	Lvl 4	0	Maint. Qty	10
Defect Description:												

Span 3	Beam	6	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	21	Lvl 4	0	Maint. Qty	21
Defect Description:												

Span 3	Beam 7	Component Name:				Plate Girder						
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	15	Lvl 4	0	Maint. Qty	15
Defect Description:												

Span 3	Beam	8	Component Name:				Plate Girder					
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												

Span 3	Beam 9	Component Name: Plate Girder			
Element: 107	Name Steel Open Girder/Beam	Qty: 40	Lvl 2: 0	Lvl 3: 30	Lvl 4: 0
Defect Description:		Maint. Qty: 30			

Span 3	Beam	10	Component Name:		Plate Girder							
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	20	Lvl 4	0	Maint. Qty	20
Defect Description:												

Span 3	Bearing Device	1	Component Name: Fixed Bearing									
Element: 313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:												

Span 3	Bearing Device	1	Component Name:		Movable Bearing							
Element: 311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:												

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	1	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	2	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	3	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	3	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

Span	3	Bearing Device	4	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

Span	3	Bearing Device	5	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	6	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	6	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	8	Component Name:	Movable Bearing				
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Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 3		Bearing Device		8		Component Name:		Movable Bearing																	
Element: 311		Name		Movable Bearing		Qty:		1		Lvl 2:		1		Lvl 3		0		Lvl 4		0		Maint. Qty		1	
Defect Description:																									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	9	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	9	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	10	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	3	Bearing Device	10	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span Number 4

Span	4	Deck	1	Component Name:		Steel Deck Corrugated							
Element:	30	Name	Steel Deck Corrugated/Orthotrc	Qty:	483	Lvl 2:	0	Lvl 3	15	Lvl 4	0	Maint. Qty	15
Defect Description:													

- 150 Square Feet of Corrosion: Section loss with down to 1/8" remaining is evident or pack rust is present but does not warrant structural review.

Span 4		Wearing Surfaces		Component Name:		Asphalt Wearing Surface							
Element: 510		Name Wearing Surface		Qty: 479		Lvl 2: 8		Lvl 3: 0		Lvl 4: 0		Maint. Qty: 8	
Defect Description:													

- 8 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

Span Number 5

Span	5	Deck	1	Component Name:		Steel Deck Corrugated							
Element:	30	Name	Steel Deck Corrugated/Orthotrc	Qty:	483	Lvl 2:	0	Lvl 3	50	Lvl 4	0	Maint. Qty	50
Defect Description:													

- 50 Square Feet of Corrosion: Section loss is evident or pack rust is present WITH DOWN TO 1/8" REMAINING, but does not warrant structural review.

Span	5	Bridge Rail	1	Component Name:		Steel Rail							
Element:	330	Name	Metal Bridge Railing	Qty:	20	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Span 5	Wearing Surfaces	Component Name:	Asphalt Wearing Surface						
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Element: 510 **Name** Wearing Surface **Qty:** 479 **Lvl 2:** 12 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 12

Defect Description:

12 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

Span 5	Beam 1	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 20 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 20

Defect Description:

20 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

20 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 5	Beam 2	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 20 **Lvl 4** 0 **Maint. Qty** 20

Defect Description:

20 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 3	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 20 **Lvl 4** 0 **Maint. Qty** 20

Defect Description:

20 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 4	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 10 **Lvl 4** 0 **Maint. Qty** 10

Defect Description:

10 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

10 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 5	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 10 **Lvl 4** 0 **Maint. Qty** 10

Defect Description:

10 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

10 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 6	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 15 **Lvl 4** 0 **Maint. Qty** 15

Defect Description:

15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 7	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 15 **Lvl 4** 0 **Maint. Qty** 15

Defect Description:

15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5	Beam 8	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 40 **Lvl 2:** 0 **Lvl 3** 15 **Lvl 4** 0 **Maint. Qty** 15

Defect Description:

15 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	5	Beam	9	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	20	Lvl 4	0	Maint. Qty	20
Defect Description:													

20 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	5	Beam	10	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	0	Lvl 3	15	Lvl 4	0	Maint. Qty	15
Defect Description:													

15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.

15 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	5	Bearing Device	2	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	2	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	3	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	4	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	6	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	6	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.

1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	7	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	8	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	8	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	9	Component Name:		Movable Bearing							
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	10	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	5	Bearing Device	10	Component Name:	Movable Bearing								
Element:	311	Name	Movable Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span Number 6

Span	6	Deck	1	Component Name:	Steel Deck Corrugated								
Element:	30	Name	Steel Deck Corrugated/Orthotrc	Qty:	483	Lvl 2:	0	Lvl 3	110	Lvl 4	0	Maint. Qty	110
Defect Description:													

- 110 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.

Span	6	Bridge Rail	1	Component Name:		Steel Rail							
Element:	330	Name	Metal Bridge Railing	Qty:	20	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Span	6	Wearing Surfaces			Component Name:		Asphalt Wearing Surface							
Element:	510	Name	Wearing Surface		Qty:	479	Lvl 2:	15	Lvl 3	20	Lvl 4	0	Maint. Qty	35
Defect Description:														

- 15 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
 20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.

Substructure Detailed Element Quantities

Structure Number: 410065

Inspection Date: 08/24/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	36	36	0	0	0	0	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	30	30	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	8	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	27	26	0	1	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	27	26	1	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	36	33	3	0	0	0	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	30	30	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	8	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 410065

Inspection Date: 08/24/2015

Bent 1

Bent 1	Row 1	Caps	1									
Element: 235	Name	Timber Pier Cap	Qty:	27	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	0
Defect Description:												

1 Feet of Split/Delamination (Timber): Length equal to or greater than the member depth but does not require structural review. AREA IS 14" DEEP, AND FULL HEIGHT.

Bent 5	Row 1	Caps	1									
Element: 235	Name	Timber Pier Cap	Qty:	27	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												

1 Feet of Decay/Section Loss: Affects less than 10% of the member section. 5" DEEP, 4" WIDE, AND 2" TALL ON RIGHT END.

End Bent 2	Row 1	Abutments	1									
Element: 216	Name	Timber Abutment	Qty:	36	Lvl 2:	3	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												

BULKHEAD DECAYED ON RIGHT SIDE AT END BENT 2

National Bridge and NC Inspection Items

Structure Number: 410065

Inspection Date: 08/24/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , 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		0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Wingwall	G, F, P, or C	F	0	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		O		
Drift	G, F, P, or C	F	3	3366
Fender System	G, F, P, or C		0	3364
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years	10		

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	4
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 410065

Inspection Date: 08/24/2015

Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
Details	PRIORITY MAINTENANCE ISSUED FOR BEAM 6 IN SPAN 3.					
Item	Presently Posted	Grade	Y	Maint Code	Qty.	0
Details	PRESENTLY POSTED, WEIGHT LIMIT 39 TONS.					
Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
Details	BOOTS.					
Item	Drift	Grade	F	Maint Code	3366	Qty. 3
Details	OLD PILE STUBS AND DRIFT ON STREAMBED.					
Item	Response to live load	Grade	F	Maint Code	Qty.	0
Details	MOVEMENT NOTED UNDER LIVE LOADS.					
Item	Field Scour Evaluation	Grade	O	Maint Code	Qty.	0
Details	STRUCTURE IS NOT SCOUR CRITICAL, BUT IS RATED "Z". NCDOT HYDRAULICS UNIT REQUIRES NOTIFICATION IF MUDLINE SCOURS TO A DEPTH 4' GREATER THAN THE BASELINE ESTABLISHED BY THE 2008-2009 STREAMBED PROFILE.					



Span 2 Left Bridge Rail: 2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.



Span 1 Right Bridge Rail: 2 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.



Span 2 Wearing Surface: 8 Square Feet of Spalled Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole.



Span 6 Wearing Surface: 20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.



Span 1 Beam 2: 20 Feet of Corrosion IN TOP FLANGE, SPAN 2 WITH DOWN TO 1/8" REMAINING: Section loss is evident or pack rust is present but does not warrant structural review.



SPAN 1, BEAM 3: 30 Feet of Corrosion: Section loss is present WITH 1/4" REMAINING. but does not warrant structural review



Span 1 Beam 5: 20 Feet of Corrosion: Section loss WITH 3/8" REMAINING IN TOP FLANGE AT MIDPOINT.is present but does not warrant structural review.



Span 1 Beam 6: 20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.



Span 1 Beam 7: 10 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.



Span 1 Beam 8: 30 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.



Span 1 Beam 9: 10 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE IN SPAN 1, but does not warrant structural review.



20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.



Span 3 Beam 2: 15 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.



Span 3 Beam 3: 20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 7/16" REMAINING IN TOP FLANGE, but does not warrant structural review.



Span 3 Beam 5: 10 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE, but does not warrant structural review.



Span 3 Beam 6: 20 Feet of Corrosion: Section loss is evident or pack rust is present WITH 1/4" REMAINING IN TOP FLANGE, but does not warrant structural review.



Span 3 Beam 6: 1 Feet of Corrosion: Section loss is DOWN TO KNIFE EDGE FOR 1/8" WIDE OVER INTERIOR DIAPHRAGM or pack rust is present but does not warrant structural review.



Span 3 Beam 9: 30 Feet of Corrosion: Section loss is evident with down to 1/8" remaining at midpoint, or pack rust is present but does not warrant structural review.



span 3 beam 10; 20 Feet of Corrosion: Section loss is evident with down to 1/4" remaining at midpoint, or pack rust is present but does not warrant structural review.



span 3 beam 8; 15 Feet of Corrosion: Section loss is evident with down to 1/4" remaining at midpoint, or pack rust is present but does not warrant structural review.



Span 5 Deck: 50 Square Feet of Corrosion: Section loss is evident or pack rust is present WITH DOWN TO 1/8" REMAINING, but does not warrant structural review.



Span 6 Deck: 110 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.



Span 5 Beam 2: 20 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 3: 20 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 4: 10 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 5: 10 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 6: 15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 7: 15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 8: 15 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 9: 20 Feet of Corrosion: Section loss is evident WITH DOWN TO 1/4" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Span 5 Beam 10: 15 Feet of Corrosion: Section loss is evident WITH DOWN TO 7/16" REMAINING IN TOP FLANGE or pack rust is present but does not warrant structural review.



Bent 5 Cap : 1 Feet of Decay/Section Loss: Affects less than 10% of the member section. 5" DEEP, 4" WIDE, AND 2" TALL ON RIGHT END.



BULKHEAD DECAYED ON RIGHT SIDE AT END BENT 2 3' TOTAL



Span 2 Deck: 200 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.



Span 1 Deck: 175 Square Feet of Corrosion: Section loss is evident WITH DOWN TO 1/8" REMAINING or pack rust is present but does not warrant structural review.



Bent 1 Cap : 1 Feet of Crack (Timber): Crack that has been arrested through effective measures. AREA IS 14" DEEP, AND FULL HEIGHT.



LOOKING EAST



CLOSEUP OF WEIGHT LIMIT SIGN



APPROACH ROADWAY



WEARING SURFACE



WEARING SURFACE



LOOKING NORTH UPSTREAM



LOOKING SOUTH DOWNSTREAM



LOOKING WEST WEIGHT LIMIT 39 TONS



NORTH SIDE



SOUTH SIDE



PILES 1, 4, AND 5 ENCASED AT END BENT 1



END BENT 1



BENT 1



PILE 5 ENCASED AT BENT 1



BOTTOM OF DECK



BOTTOM OF DECK



BENT 2



PILES 1,2,3, AND 6 ENCASED AT BENT 2



BENT 3



piles 1 and 5 encased at BENT 3



BENT 4, PILES 1-4 ENCASED



BENT 5 PILES 1,2, AND 4 ENCASED



END BENT 2