NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: HYDROPLATFORM USED , PRIORITY MAINT ITEMS ISSUED ON I BEAMS, PM ISSUED ON DRIFT

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: LINCOLN STRUCTURE NUMBER: 540054 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1252 MILE POST:

LOCATION: 0.8 MI. N. JCT. SR1239

FEATURE INTERSECTED: INDIAN CREEK

LATITUDE: 35° 25' 22.02" LONGITUDE: 81° 15' 33.35"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE: END & INTERIOR BENTS:RC CAPS ON STEEL PILES

SPANS: 5@40'0" SIMPLE

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

PRESENT CONDITION: Poor INSPECTION DATE: 03/08/2016

POSTED SV: 26 POSTED TTST: 32

OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING NORTH

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

INSPECTED BY	SIGNATURE	ASSISTED BY
RD WI;LLIAMS	RD Williams	CARLTON ADAMS

Span Element Report

Structure Number: 540054 Inspection Date: 03/08/2016

Span Number 1 Span Length 40 Feet Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,057	0	1,057	0	0	1,057	3326
107		Steel Open Girder/Beam	160	152	0	8	0	8	3314
515	107	Steel Protective Coating	1300	0	0	1282	18	1300	3342
215		Reinforced Concrete Abutment	29	29	0	0	0	0	3350
234		Reinforced Concrete Pier Cap	27	27	0	0	0	0	3348
311		Movable Bearing	4	0	0	4	0	4	3334
515	311	Steel Protective Coating	8	0	0	0	8	8	3342
313		Fixed Bearing	4	0	2	2	0	4	3334
515	313	Steel Protective Coating	8	0	0	8	0	8	3342
331		Reinforced Concrete Bridge Railing	80	80	0	0	0	0	3318

"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 40 Feet Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,057	0	1,057	0	0	1,057	3326
107		Steel Open Girder/Beam	160	132	0	26	2	28	3314
515	107	Steel Protective Coating	1300	0	0	1252	48	1300	3342
225		Steel Pile	6	0	6	0	0	6	3354
515	225	Steel Protective Coating	144	130	0	14	0	14	3342
234		Reinforced Concrete Pier Cap	27	24	3	0	0	3	3348
301		Pourable Joint Seal	27	19	8	0	0	8	3310
311		Movable Bearing	4	0	0	4	0	4	3334
515	311	Steel Protective Coating	8	0	0	0	8	8	3342
313		Fixed Bearing	4	0	0	4	0	4	3334
515	313	Steel Protective Coating	8	0	0	2	6	8	3342
331		Reinforced Concrete Bridge Railing	80	80	0	0	0	0	3318

"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 40 Feet Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,057	0	1,057	0	0	1,057	3326
107		Steel Open Girder/Beam	160	106	40	14	0	54	3314
515	107	Steel Protective Coating	1300	0	0	1269	31	1300	3342
225		Steel Pile	6	0	6	0	0	6	3354
515	225	Steel Protective Coating	216	0	216	0	0	216	3342
234		Reinforced Concrete Pier Cap	27	9	18	0	0	18	3348
301		Pourable Joint Seal	27	19	8	0	0	8	3310
311		Movable Bearing	4	0	0	4	0	4	3334
515	311	Steel Protective Coating	8	0	0	0	8	8	3342
313		Fixed Bearing	4	0	0	4	0	4	3334
515	313	Steel Protective Coating	8	0	0	2	6	8	3342

331		Reinforced Concrete Bridge Railing	80	80	0	0	0	0	3318

"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 40 Feet Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,057	0	1,057	0	0	1,057	3326
107		Steel Open Girder/Beam	160	152	0	8	0	8	3314
515	107	Steel Protective Coating	1300	0	1284	0	16	1300	3342
225		Steel Pile	6	0	6	0	0	6	3354
515	225	Steel Protective Coating	288	0	0	288	0	288	3342
234		Reinforced Concrete Pier Cap	27	25	2	0	0	2	3348
301		Pourable Joint Seal	27	17	10	0	0	10	3310
311		Movable Bearing	4	0	0	4	0	4	3334
515	311	Steel Protective Coating	8	0	0	0	8	8	3342
313		Fixed Bearing	4	0	0	4	0	4	3334
515	313	Steel Protective Coating	8	0	0	0	8	8	3342
331		Reinforced Concrete Bridge Railing	80	73	7	0	0	7	3318

"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 40 Feet Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,057	0	1,057	0	0	1,057	3326
107		Steel Open Girder/Beam	160	0	160	0	0	160	3314
515	107	Steel Protective Coating	1300	0	1295	0	5	1300	3342
215		Reinforced Concrete Abutment	29	29	0	0	0	0	3350
225		Steel Pile	6	2	4	0	0	4	3354
515	225	Steel Protective Coating	378	344	30	0	4	34	3342
234		Reinforced Concrete Pier Cap	54	54	0	0	0	0	3348
301		Pourable Joint Seal	27	2	25	0	0	25	3310
311		Movable Bearing	4	0	3	1	0	4	3334
515	311	Steel Protective Coating	8	0	0	6	2	8	3342
313		Fixed Bearing	4	0	4	0	0	4	3334
515	313	Steel Protective Coating	8	0	0	8	0	8	3342
331		Reinforced Concrete Bridge Railing	80	80	0	0	0	0	3318

"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 Quantites

Structure Number: 540054 Inspection Date: 03/08/2016

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
☑ Deck	1	12	Reinforced Concrete Deck	1057	0	1057	0	0	1057	3326	☐ Requested
☑ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	38	0	2	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	317	8	325	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	37	0	3	0	3	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	319	6	325	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	38	0	2	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	321	4	325	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	39	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	325	0	325	3342	
☑ Bearing Device	1	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	1	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	2	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	3	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	3	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	4	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	

Structure Number: 540054 Inspection Date: 03/08/2016

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	12	Reinforced Concrete Deck	1057	0	1057	0	0	1057	3326	☐ Requested
☑ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	31	0	7	2	9	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	311	14	325	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	35	0	5	0	5	3314	☑ Requested
Protective System		515	Steel Protective Coating	325	0	0	315	10	325	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	32	0	8	0	8	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	313	12	325	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	34	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	313	12	325	3342	
☑ Bearing Device	1	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	1	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	3	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	3	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Expansion Joints	1	301	Pourable Joint Seal	27	19	8	0	0	8	3310	☐ Requested

Structure Number: 540054 Inspection Date: 03/08/2016

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
☑ Deck	1	12	Reinforced Concrete Deck	1057	0	1057	0	0	1057	3326	☐ Requested
☑ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	35	0	5	0	5	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	315	10	325	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	39	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	322	3	325	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	0	40	0	0	40	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	323	2	325	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	32	0	8	0	8	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	0	309	16	325	3342	
☑ Bearing Device	1	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	1	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	3	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	3	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Expansion Joints	1	301	Pourable Joint Seal	27	19	8	0	0	8	3310	☐ Requested

Structure Number: 540054 Inspection Date: 03/08/2016

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	12	Reinforced Concrete Deck	1057	0	1057	0	0	1057	3326	☐ Requested
☑ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	40	33	7	0	0	7	3318	☐ Requested
☑ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	39	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	323	0	2	325	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	39	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	323	0	2	325	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	39	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	323	0	2	325	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	35	0	5	0	5	3314	☑ Requested
Protective System		515	Steel Protective Coating	325	0	315	0	10	325	3342	
☑ Bearing Device	1	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	1	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	2	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	3	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	3	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	313	Fixed Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Expansion Joints	1	301	Pourable Joint Seal	27	17	10	0	0	10	3310	☐ Requested

Structure Number: 540054 Inspection Date: 03/08/2016

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
☑ Deck	1	12	Reinforced Concrete Deck	1057	0	1057	0	0	1057	3326	☐ Requested
☑ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	0	40	0	0	40	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	323	0	2	325	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	0	40	0	0	40	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	325	0	0	325	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	0	40	0	0	40	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	324	0	1	325	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	0	40	0	0	40	3314	☐ Requested
Protective System		515	Steel Protective Coating	325	0	323	0	2	325	3342	
☑ Bearing Device	1	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	1	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	2	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	2	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	3	311	Movable Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	3	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Bearing Device	4	311	Movable Bearing	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	0	2	2	3342	
☑ Bearing Device	4	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☑ Expansion Joints	1	301	Pourable Joint Seal	27	2	25	0	0	25	3310	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 540054 Inspection Date: 03/08/2016

Span Number 1

Span 1	Deck	1	Component Name:	Reinforced Concrete Deck

Element: 12 Name Reinforced Concrete Deck Qty: 1057 Lvl 2: 1,057 Lvl 3 0 Lvl 4 0 Maint. Qty 1,057

Defect Description:

1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. span 1 top deck map cracking , coarse aggregate ,surface scaling.

Span 1	Beam	1	Component Name:	Plate Girder

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

Defect Description:

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BEAM 1 HAS 1/4" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM BACK 16" AND 1/8" LOSS IN WEB WITH RIGHT SIDE SIMILAR.

8 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
317 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1	Beam	2	Component Name:	Plate Girder

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

Defect Description:

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BEAM 2 OVER BENT 1 HAS FM 1/4" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM OUT 15"

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LEFT SIDE OF BEAM 2 HAS 1/4" SECTION LOSS ALONG THE BOTTOM FLANGE FROM THE END OF BEAM BACK 12. 1/16" LOSS IN WEB.
6 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
319 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1	Beam	3	Component Name:	Plate Girder

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

Defect Description:

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.
4 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
321 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1	Beam	4	Component Name:	Plate Girder

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

Defect Description:

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LT SIDE OF BM 4 HAS 1/4" SECTION LOSS ALONG BOTTOM FLANGE BEARING OUT 1'.
4 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.
321 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1	Bearing Device	1	Component Name:	Movable Bearing

Element: 311 Name Movable Bearing Qty: 1 Lvl 2: 0 Lvl 3 1 Lvl 4 0 Maint. Qty 1

Defect Description:

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 1 Bearing Device 1 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. pack rust
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1 Bearing Device 2 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 1 Bearing Device 3 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1 Bearing Device 4 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1 Bearing Device 4 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span Number 2

Span 2 Deck 1 Component Name: Reinforced Concrete Deck

Element: 12 Name Reinforced Concrete Deck Qty: 1057 Lvl 2: 1,057 Lvl 3 0 Lvl 4 0 Maint. Qty 1,057
Defect Description:

1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. TOP OF THE DECK IN SPAN 2 MAP CRACKING THROUGH OTU , FINE EXPOSED AGGREGATE AND POP OUTS.

Span 2 Beam 1 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 7 Lvl 4 2 Maint. Qty 9
Defect Description:

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE END BACK 32". 1/4" LOSS IN WEB BOTTOM UP 3".

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 20". 1/8" LOSS IN WEB.

2 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.
SPAN 2 RIGHT SIDE OF BEAM 1 OVER BE
NT 1 HAS 9/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 9" AND 1/4" SECT LOSS OVER NEXT 6". 5/16" SECT LOSS IN WEB FM ANCHOR BOLT OUT 16" & 3 1/2" H.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14".
14 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
311 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 2 Beam 2 Component Name: Plate Girder

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LEFT SIDE OF BM 2 HAS 1/4" SECT LOSS IN AND 8" AREA AROUND THE TOP OF ANCHOR BOLT.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BM 2 HAS 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18". WEB AREA UNDER END DIAPHRAGM DOWN TO KNIFES EDGE 1 1/2" X 10" LONG. HOLES IN WEB.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BEAM 2 HAS FM 1/4" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END BACK 14".
10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
315 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 2 Beam 3 Component Name: Plate Girder

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

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BEAM 3 HAS 1/16 TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 18". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LEFT SIDE OF BM 3 OVER BENT 2 HAS 3/16" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 9".

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BM 3 HAS 1/8" SECTION LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 3'.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LEFT SIDE OF BEAM 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18" AND 1/8" LOSS IN WEB UNDER END DIAPHRAGM.
12 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
313 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 2 Beam 4 Component Name: Plate Girder

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

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BM 4 OVER BENT 2 HAS 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 2' 1/8" LOSS IS WEB.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LEFT SIDE OF BM 4 OVER BENT 2 BOTTOM FLANGE DOWN TO KNIFES EDGE FM ANCHOR BOLT OUT 11". FM 1/8" TO 5/16" LOSS OVER NEXT 11".

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

SPAN 2 RIGHT SIDE OF BEAM 4 OVER BENT 1 HAS 3/16" SECTION LOSS ALONG BOTTOM FLANGE FM BEARING OUT 12".

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LEFT SIDE OF BM 4 HAS 1/4" SECT LOSS ALONG THE BOTTOM FLANGE FM BEARING PLATE OUT 10". 1/16" LOSS IN WEB.
12 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
313 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 2	Bearing Device 1	Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 1	Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 2	Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 2	Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 3	Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 3	Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 2	Bearing Device 4	Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Bearing Device 4	Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 2	Expansion Joints	1	Component Name:	Standard Joint

Element: 301 Name Pourable Joint Seal Qty: 27 Lvl 2: 8 Lvl 3 0 Lvl 4 0 Maint. Qty 8
Defect Description:

8 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. VCRACKED ALONG THE EDGES OF JOINT.

Span Number 3

Span 3	Deck	1	Component Name:	Reinforced Concrete Deck

Element: 12 Name Reinforced Concrete Deck Qty: 1057 Lvl 2: 1,057 Lvl 3 0 Lvl 4 0 Maint. Qty 1,057
Defect Description:

1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. SPAN 3 TOP OF DECK MAP CRACKING, POP OUTS, SURFACE SCALING, TRANSVERSE CRACKS AND COARSE AGGREGATE.

Span 3	Beam	1	Component Name:	Plate Girder

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RT SIDE OF BEAM 1 OVER BENT 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM BEARING BACK 6".

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 LT SIDE OF BM 1 HAS 1/4 TO 5/16" SECT LOSS ALONG BOTTOM FLANGE END OF BEAM BACK 24".

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 RT SIDE OF BM 1 OVER BNT 2 HAS FM 1/4" TO 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 16". 1/8" LOSS IN WEB OVER BEARING PLATE.
10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
315 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 3	Beam	2	Component Name:	Plate Girder

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

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 RT SIDE OF BM 2 OVER BENT 2 HAS 1/8" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 10". 1/16" LOSS IN WEB.
3 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
322 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 3	Beam	3	Component Name:	Plate Girder

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

40 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
323 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 3	Beam	4	Component Name:	Plate Girder

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

3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 4 HAS FM 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14" WITH 1/16" LOSS IN WEB.

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 LT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'. 1/16" LOSS IN WEB.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 RT SIDE OF BM 4 OVER BENT 2 HAS FM 5/16" BACK TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 2'. ANCHOR NUTS RUSTED AWAY.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

SPAN 3 LEFT SIDE OF BM 4 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 22". 1/8" LOSS IN WEBB ANCHOR NUT RUSTED AWAY.
16 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
309 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 3 Bearing Device 1 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 1 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 2 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 2 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 3 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 3 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 3 Bearing Device 4 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Bearing Device 4 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 3 Expansion Joints 1 Component Name: Standard Joint

Element: 301 Name Pourable Joint Seal Qty: 27 Lvl 2: 8 Lvl 3 0 Lvl 4 0 Maint. Qty 8
Defect Description:

8 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF JOINT.

Span Number 4

Span 4	Deck	1	Component Name:	Reinforced Concrete Deck

Element: 12 Name Reinforced Concrete Deck Qty: 1057 Lvl 2: 1,057 Lvl 3 0 Lvl 4 0 Maint. Qty 1,057

Defect Description:

1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 4 DECK HAS SCATTERED MAP CRACKING AND TRANSVERSE CRACKS COARSE AGGREGATE WITH POP OUTS AND SURFACE SCALING.

Span 4	Bridge Rail	1	Component Name:	Concrete Railing

Element: 331 Name Reinforced Concrete Bridge Ra Qty: 40 Lvl 2: 7 Lvl 3 0 Lvl 4 0 Maint. Qty 7

Defect Description:

5 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

SPAN 4 LEFT BRIDGE RAIL FM POST 7 TO POST 8.
2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 4 RAIL POST 7 SPALL ALONG BACK EDGE 13" X 15" X 2" DEEP REBAR EXPOSED.

Span 4	Beam	1	Component Name:	Plate Girder

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

Defect Description:

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 LT SIDE OF BM 1 HAS FM 1/8 TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 8". RT SIDE IS SIMILAR.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
323 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 4	Beam	2	Component Name:	Plate Girder

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

Defect Description:

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 2 HAS 1/8" SECT LOSS FM BOTTOM FLANGE FM BEARING OUT 5". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
323 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 4	Beam	3	Component Name:	Plate Girder

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

Defect Description:

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 3 OVER BNT 3 HAS HOLE IN TOP OF WEB UNDER END DIAPHRAGM WEBB AREA FM THE END BACK 9" 1/4" SECT LOSS.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
323 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 4	Beam	4	Component Name:	Plate Girder



Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 5 Lvl 4 0 Maint. Qty 5

Defect Description:

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 LT SIDE OF BM 4 HAS 5/16" SECT LOSE FM BEARING OUT 8". 1/8" SECTION LOSS FM END OF BEAM BACK 7". 1/16" LOSS IN WEB.

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 24". 3/16" LOSS IN WEB AT DIAPHRAGM.

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

SPAN 4 LT SIDE OF BM 4 HAS FM 1/8" TO 1/4" SECT LOSS FM END OF BM BACK 13". LOSS IN WEBB UNDER END DIAPHRAGM.
10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
315 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 4 Bearing Device 1 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 1 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 2 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 2 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 3 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 3 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 4 Component Name: Fixed Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Bearing Device 4 Component Name: Movable Bearing

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

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 4 Expansion Joints 1 Component Name: Standard Joint

Element: 301 Name Pourable Joint Seal Qty: 27 Lvl 2: 10 Lvl 3 0 Lvl 4 0 Maint. Qty 10
Defect Description:

10 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF THE JOINT.

Span Number 5

Span 5	Deck	1	Component Name:	Reinforced Concrete Deck

Element: 12 Name Reinforced Concrete Deck Qty: 1057 Lvl 2: 1,057 Lvl 3 0 Lvl 4 0 Maint. Qty 1,057

Defect Description:

1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 5 DECK HAS SCATTERED MAP CRACKING AND TRANSVERSE CRACKS COARSE AGGREGATE WITH POP OUTS AND SURFACE SCALING.

Span 5	Beam	1	Component Name:	Plate Girder

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

Defect Description:

40 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 5	Beam	2	Component Name:	Plate Girder

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

Defect Description:

40 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
325 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 5	Beam	3	Component Name:	Plate Girder

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

Defect Description:

40 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
324 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 5	Beam	4	Component Name:	Plate Girder

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

Defect Description:

40 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.
323 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Span 5	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

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.
2 Square Feet of Chalking (Steel Protective Coatings): Loss of pigment.

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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5 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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5 Bearing Device 4 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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5 Bearing Device 4 Component Name: Movable Bearing

Element: 311 Name Movable Bearing Qty: 1 Lvl 2: 0 Lvl 3 1 Lvl 4 0 Maint. Qty 1

Defect Description:

1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PACK RUST
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span 5 Expansion Joints 1 Component Name: Standard Joint

Element: 301 Name Pourable Joint Seal Qty: 27 Lvl 2: 25 Lvl 3 0 Lvl 4 0 Maint. Qty 25

Defect Description:

25 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF THE JOINT.

Substructure Detailed Element Quantites

Structure Number: 540054

Inspection Date: 03/08/2016

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	215	Reinforced Concrete Abutment	29	29	0	0	0	0	3350	☐ Requested
☑ Caps	1	234	Reinforced Concrete Pier Cap	27	27	0	0	0	0	3348	☐ 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	234	Reinforced Concrete Pier Cap	27	24	3	0	0	3	3348	☐ Requested
☑ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	3	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	4	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	5	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	6	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	1	515	Steel Protective Coating	24	22	0	2	0	2	3342	☐ Requested
☑ Piles and Columns	2	515	Steel Protective Coating	24	22	0	2	0	2	3342	☐ Requested
☑ Piles and Columns	3	515	Steel Protective Coating	24	22	0	2	0	2	3342	☐ Requested
☑ Piles and Columns	4	515	Steel Protective Coating	24	22	0	2	0	2	3342	☐ Requested
☑ Piles and Columns	5	515	Steel Protective Coating	24	22	0	2	0	2	3342	☐ Requested
☑ Piles and Columns	6	515	Steel Protective Coating	24	20	0	4	0	4	3342	☐ Requested

Structure Number: 540054 Inspection Date: 03/08/2016

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	234	Reinforced Concrete Pier Cap	27	9	18	0	0	18	3348	☐ Requested
☑ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	3	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	4	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	5	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	6	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	1	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ Requested
☑ Piles and Columns	2	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ Requested
☑ Piles and Columns	3	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ Requested
☑ Piles and Columns	4	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ Requested
☑ Piles and Columns	5	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ Requested
☑ Piles and Columns	6	515	Steel Protective Coating	36	0	36	0	0	36	3342	☐ 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	234	Reinforced Concrete Pier Cap	27	25	2	0	0	2	3348	☐ Requested
☑ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	3	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	4	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	5	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	6	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	1	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested
☑ Piles and Columns	2	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested
☑ Piles and Columns	3	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested
☑ Piles and Columns	4	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested
☑ Piles and Columns	5	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested
☑ Piles and Columns	6	515	Steel Protective Coating	48	0	0	48	0	48	3342	☐ Requested

Structure Number: 540054 Inspection Date: 03/08/2016

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	234	Reinforced Concrete Pier Cap	27	27	0	0	0	0	3348	☐ Requested
☑ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	3	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	4	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☑ Piles and Columns	5	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☑ Piles and Columns	6	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☑ Piles and Columns	1	515	Steel Protective Coating	63	60	0	0	3	3	3342	☐ Requested
☑ Piles and Columns	2	515	Steel Protective Coating	63	53	10	0	0	10	3342	☐ Requested
☑ Piles and Columns	3	515	Steel Protective Coating	63	53	10	0	0	10	3342	☐ Requested
☑ Piles and Columns	4	515	Steel Protective Coating	63	63	0	0	0	0	3342	☐ Requested
☑ Piles and Columns	6	515	Steel Protective Coating	63	62	0	0	1	1	3342	☐ Requested
☑ Piles and Columns	5	515	Steel Protective Coating	63	53	10	0	0	10	3342	☐ 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	215	Reinforced Concrete Abutment	29	29	0	0	0	0	3350	☐ Requested
☑ Caps	1	234	Reinforced Concrete Pier Cap	27	27	0	0	0	0	3348	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 540054 Inspection Date: 03/08/2016

Bent 1

Bent 1	Row 1	Caps	1								
Element: 234	Name	Reinforced Concrete Pier Cap	Qty:	27	Lvl 2:	3	Lvl 3	0	Lvl 4	0 Maint. Qty	3

Defect Description:

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 NORTH FACE OF CAP HAS CRACKED DELAMINATED AREA ALONG THE TOP EDGE LEFT SIDE OF BEAM 4. 6" X 27" X 10" ON TOP.

Bent 1	Row 1	Piles and Columns	1								
Element: 225	Name	Steel Pile	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. CORROSION ALONG THE BOTTOM ALONG PILE.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 1	Row 1	Piles and Columns	2								
Element: 225	Name	Steel Pile	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 1	Row 1	Piles and Columns	3								
Element: 225	Name	Steel Pile	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 1	Row 1	Piles and Columns	4								
Element: 225	Name	Steel Pile	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 1	Row 1	Piles and Columns	5								
Element: 225	Name	Steel Pile	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.
2 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 1	Row 1	Piles and Columns	6								
Element: 225	Name	Steel Pile	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.
4 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 2	Row 1	Caps	1								
Element: 234	Name	Reinforced Concrete Pier Cap	Qty:	27	Lvl 2:	18	Lvl 3	0	Lvl 4	0 Maint. Qty	18

Defect Description:

4 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
BENT 2 NORTH FACE OF CAP HAS A HORZ CRACK ALONG TOP EDGE BETWEEN BEAMS 3 AND 4.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 NORTH FACE OF CAP CRACKED AND DELAMINATED ALONG THE TOP EDGE BETWEEN BEAMS 2 AND 3. 4" DOWN FACE AND 48" LONG 14" ON TOP.

4 Feet of Cracking (RC and Other): Width less than 0.012 in. or spacing greater than 3.0 ft.
BENT 2 NORTH FACE OF CAP RIGHT SIDE OF BM 1 HORZ CRACK ALONG THE TOP.

3 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
BENT 2 SOUTH FACE OF CAP LEFT SIDE OF BEAM 4 HORZ CRACK ALONG TOP EDGE.

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP LEFT SIDE OF BM 3 CRACKED DELAMINATED AREA ALONG THE TOP 6" DOWN FACE 33" LONG 7" ON TOP.

Bent 2 Row 1 Piles and Columns 1

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 2 Row 1 Piles and Columns 2

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 2 Row 1 Piles and Columns 3

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 2 Row 1 Piles and Columns 4

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 2 Row 1 Piles and Columns 5

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 2 Row 1 Piles and Columns 6

Element: 225 Name Steel Pile 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.
36 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 3 Row 1 Caps 1

Element: 234 Name Reinforced Concrete Pier Cap Qty: 27 Lvl 2: 2 Lvl 3 0 Lvl 4 0 Maint. Qty 2
Defect Description:

2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 3 CAP SOUTH FACE CRACKED DELAMINATED AREA ALONG THE TOP RIGHT SIDE OF BEAM 1 6" DOWN FACE 16" LONG AND 6" ON TOP.

Bent 3 Row 1 Piles and Columns 1

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 3 Row 1 Piles and Columns 2

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 3 Row 1 Piles and Columns 3

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 3 Row 1 Piles and Columns 4

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 3 Row 1 Piles and Columns 5

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 3 Row 1 Piles and Columns 6

Element: 225 Name Steel Pile 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.
48 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Bent 4 Row 1 Piles and Columns 1

Element: 225 Name Steel Pile 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.
BENT 4 PILE 1 HAS SCATTERED RUST AND CORROSION ON THE WEB AND FLANGES OF PILE.
3 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Bent 4 Row 1 Piles and Columns 2

Element: 225 Name Steel Pile 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.
10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 4 Row 1 Piles and Columns 3

Element: 225 Name Steel Pile 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.
10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

Bent 4 Row 1 Piles and Columns 5

Element: 225 Name Steel Pile Qty: 1 Lvl 2: 0 Lvl 3 0 Lvl 4 0 Maint. Qty 0
Defect Description:

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

Bent 4 Row 1 Piles and Columns 6

Element: 225 Name Steel Pile 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.
BENT 4 PILE 6 HAS SCATTERED RUST AND CORROSION ON THE WEB AND FLANGE OF PILE.
1 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

National Bridge and NC Inspection Items

Structure Number: 540054 Inspection Date: 03/08/2016

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	5
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	G	0	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		U		
Drift	G, F, P, or C	P	8	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	12		

Note: If NC SMU Insepction 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	18
Traffic Control Time	Hours	7
Snooper Time	Hours	6
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: 540054 Inspection Date: 03/08/2016

Item	Channel and Channel Protection - Item 61	Grade 5	Maint Code	Qty. 0	
Details	WATERWAY BLOCKED BY DRIFT AND LOGS.				
Item	Snooper Used	Grade Y	Maint Code	Qty. 0	
Details	HYDROPLATFORM USED				
Item	Drift	Grade P	Maint Code 3366	Qty. 8	
Details	DRIFT AND DEBRIS WITH LARGE LOGS AGAINST UPSTREAM END OF BENT 3 WITH DEBRIIS AND DRIFT IN MIDDLE OF CHANNEL . PM ISSUED				



ERROSION AREA UNDER BOTTOM AREA OF END BENT 2 CAP FROM LEFT TO RIGHT END FROM 4" TO 7" DEEP 18" UNDER CAP.



Bent 4 Pile 1: 1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
BENT 4 PILE 1 HAS SCATTERED RUST AND CORROSION ON THE WEB AND FLANGES OF PILE.



Bent 4 Pile 6: 1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
BENT 4 PILE 6 HAS SCATTERED RUST AND CORROSION ON THE WEB AND FLANGE OF PILE.



Span 5 Deck: 1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 5 DECK HAS SCATTERED MAP CRACKING AND TRANSVERSE CRACKS COARSE AGGREGATE WITH POP OUTS AND SURFACE SCALING.



Span 4 Deck: 1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 4 DECK HAS SCATTERED MAP CRACKING AND TRANSVERSE CRACKS COARSE AGGREGATE WITH POP OUTS AND SURFACE SCALING.



Span 4 Left Bridge Rail: 5 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 4 LEFT BRIDGE RAIL FM POST 7 TO POST 8.



Span 1 Deck: 1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. span 1 top deck map cracking , coarse aggregate ,surface scaling.



Expansion Joint 2 : 8 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. VCRACKED ALONG THE EDGES OF JOINT.



Span 2 Deck: 1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. TOP OF THE DECK IN SPAN 2 MAP CRACKING THROUGH OTU , FINE EXPOSED AGGREGATE AND POP OUTS.



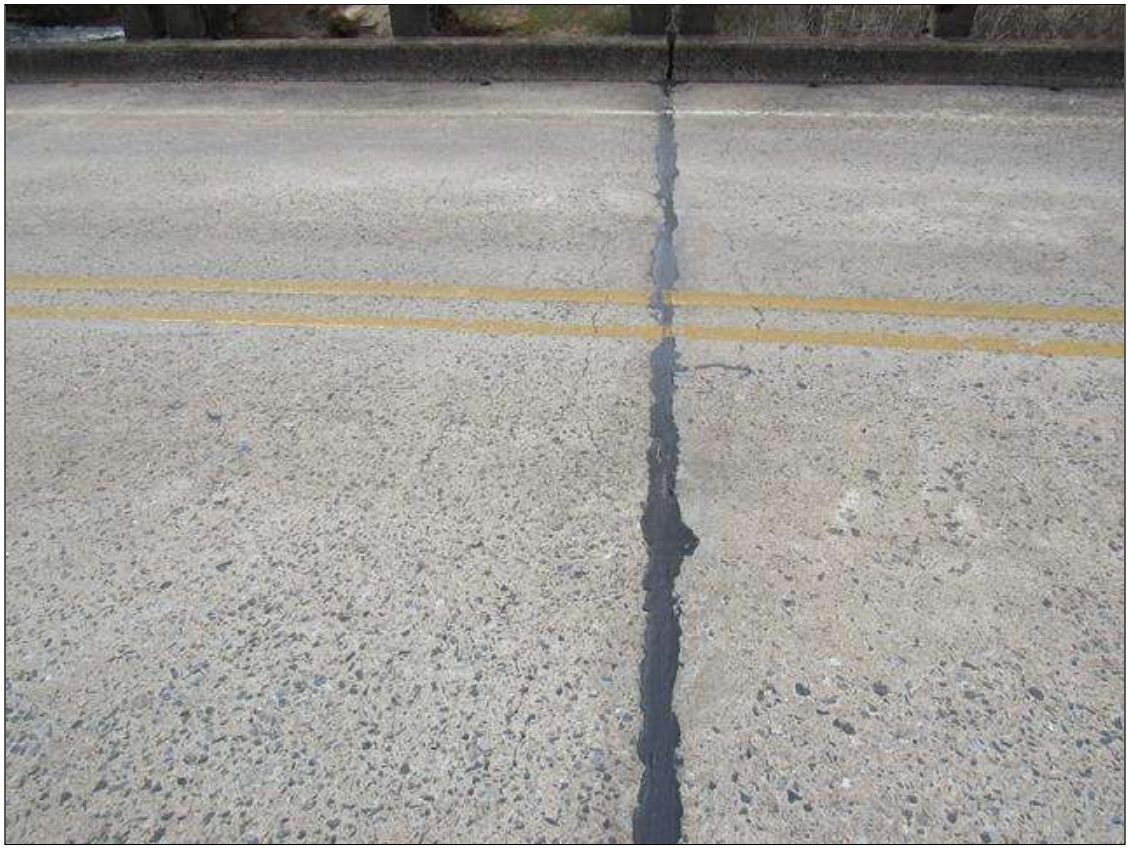
Expansion Joint 3 : 8 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF JOINT.



Span 3 Deck: 1057 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. SPAN 3 TOP OF DECK MAP CRACKING, POP OUTS, SURFACE SCALING, TRANSVERSE CRACKS AND COARSE AGGREGATE.



Expansion Joint 4 : 10 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF THE JOINT.



Expansion Joint 5 : 25 Feet of Seal Adhesion: Adhered for more than 50% of the joint height. CRACKS ALONG THE EDGE OF THE JOINT.



TOP DECK MAP CRACKING . COARSE AGGREGATE AND TRANSVERSE CRACKS IN SPAN 4



Span 4 Left Bridge Rail: 2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 4 RAIL POST 7 SPALL ALONG BACK EDGE 13" X 15" X 2" DEEP REBAR EXPOSED.



Span 4 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 LT SIDE OF BM 4 HAS 5/16" SECT LOSE FM BEARING OUT 8". 1/8" SECTION LOSS FM END OF BEAM BACK 7". 1/16" LOSS IN WEB.



LARGE DRIFT WITH BIG TREES AGAINST UP STREAM END OF BENT 3. DRIFT AND DEBRIS SCATTERED UP STREAM BLOCKING MIDDLE OF CHANNEL.



Span 4 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 24". 3/16" LOSS IN WEB AT DIAPHRAGM.



Span 4 Beam 4: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 LT SIDE OF BM 4 HAS FM 1/8" TO 1/4" SECT LOSS FM END OF BM BACK 13". LOSS IN WEBB UNDER END DIAPHRAGM.



Span 4 Beam 3: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 3 OVER BNT 3 HAS HOLE IN TOP OF WEB UNDER END DIAPHRAGM WEBB AREA FM THE END BACK 9" 1/4" SECT LOSS.



Span 4 Beam 2: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 2 HAS 1/8" SECT LOSS FM BOTTOM FLANGE FM BEARING OUT 5". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.



Span 4 Beam 1: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 LT SIDE OF BM 1 HAS FM 1/8 TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 8". RT SIDE IS SIMILAR.



Span 3 Beam 4: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 4 RT SIDE OF BM 4 HAS FM 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14" WITH 1/16" LOSS IN WEB.



Span 3 Beam 4: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 LT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'. 1/16" LOSS IN WEB.



SPAN 3 END DIAPHGRAM OVER BENT 3 IN BAY 2 HAS A CRACKED DELAMINATED AREA.



Bent 3 Cap : 2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound

BENT 3 CAP SOUTH FACE CRACKED DELAMINATED AREA ALONG THE TOP RIGHT SIDE OF BEAM 1 6" DOWN FACE 16" LONG AND 6" ON TOP.



Span 3 Beam 1: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RT SIDE OF BM 1 OVER BENT 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM BEARING BACK 6".



SPAN 3 END DIAPHGRAM OVER BENT 2 IN BAY 3 CRACKED SPALL DELAMINATED.



Bent 2 Cap : 4 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
BENT 2 NORTH FACE OF CAP HAS A HORZ CRACK ALONG TOP EDGE BETWEEN BEAMS 3 AND 4.



Bent 2 Cap : 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 NORTH FACE OF CAP CRACKED AND DELAMINATED ALONG THE TOP EDGE BETWEEN BEAMS 2 AND 3. 4" DOWN FACE AND 48" LONG 14" ON TOP.



Span 3 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 RT SIDE OF BM 4 OVER BENT 2 HAS FM 5/16" BACK TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 2'. ANCHOR NUTS RUSTED AWAY.



Span 3 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 LEFT SIDE OF BM 4 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 22". 1/8" LOSS IN WEBB ANCHOR NUT RUSTED AWAY.



Span 3 Beam 2: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 RT SIDE OF BM 2 OVER BENT 2 HAS 1/8" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 10". 1/16" LOSS IN WEB.



Span 3 Beam 1: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 3 LT SIDE OF BM 1 HAS 1/4 TO 5/16" SECT LOSS ALONG BOTTOM FLANGE END OF BEAM BACK 24".



Span 3 Beam 1: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

SPAN 3 RT SIDE OF BM 1 OVER BNT 2 HAS FM 1/4" TO 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 16". 1/8" LOSS IN WEB OVER BEARING PLATE.



Span 2 Beam 1: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 1 OVER BNT 2 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE END BACK 32". 1/4" LOSS IN WEB BOTTOM UP 3".



Span 2 Beam 1: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 20". 1/8" LOSS IN WEB.



Span 2 Beam 2: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 2 HAS 1/4" SECT LOSS IN AND 8" AREA AROUND THE TOP OF ANCHOR BOLT.



Span 2 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RT SIDE OF BM 4 OVER BNT 2 HAS 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 2' 1/8" LOSS IS WEB.



Span 2 Beam 4: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 4 OVER BNT 2 BOTTOM FLANGE DOWN TO KNIFES EDGE FM ANCHOR BOLT OUT 11". FM 1/8" TO 5/16" LOSS OVER NEXT 11".



Span 2 Beam 3: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RT SIDE OF BEAM 3 HAS 1/16 TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 18". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.



Span 2 Beam 3: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 3 OVER BNT 2 HAS 3/16" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 9".



Bent 2 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound

BENT 2 SOUTH FACE OF CAP LEFT SIDE OF BM 3 CRACKED DELAMINATED AREA ALONG THE TOP 6" DOWN FACE 33" LONG 7" ON TOP.



Span 2 Beam 2: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RT SIDE OF BM 2 HAS 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18". WEB AREA UNDER END DIAPHRAGM DOWN TO KNIFES EDGE 1 1/2" X 10" LONG. HOLES IN WEB.



Span 2 Beam 4: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BEAM 4 OVER BENT 1 HAS 3/16" SECTION LOSS ALONG BOTTOM FLANGE FM BEARING OUT 12".



Span 2 Beam 4: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 4 HAS 1/4" SECT LOSS ALONG THE BOTTOM FLANGE FM BEARING PLATE OUT 10". 1/16" LOSS IN WEB.



Span 1 Beam 4: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LT SIDE OF BM 4 HAS 1/4" SECTION LOSS ALONG BOTTOM FLANGE BEARING OUT 1'.



Bent 1 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound

BENT 1 NORTH FACE OF CAP HAS CRACKED DELAMINATED AREA ALONG THE TOP EDGE LEFT SIDE OF BEAM 4. 6" X 27" X 10" ON TOP.



Span 2 Beam 3: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BM 3 HAS 1/8" SECTION LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 3'.



Span 1 Beam 3: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.



Span 1 Beam 3: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.



Span 2 Beam 3: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BEAM 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18" AND 1/8" LOSS IN WEB UNDER END DIAPHRAGM.



Span 1 Beam 2: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BEAM 2 OVER BENT 1 HAS FM 1/4" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 15"



Span 2 Beam 2: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 RIGHT SIDE OF BEAM 2 HAS FM 1/4" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END BACK 14".



Span 1 Beam 2: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 LT SIDE OF BEAM 2 HAS 1/4" SECTION LOSS ALONG THE BOTTOM FLANGE FROM THE END OF BEAM BACK 12. 1/16" LOSS IN WEB.



Span 1 Beam 1: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 1 RIGHT SIDE OF BEAM 1 HAS 1/4" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM BACK 16" AND 1/8" LOSS IN WEB.



Span 2 Beam 1: 2 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

SPAN 2 RIGHT SIDE OF BEAM 1 OVER BNT 1 HAS 9/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 9" AND 1/4" SECT LOSS OVER NEXT 6". 5/16" SECT LOSS IN WEB FM ANCHOR BOLT OUT 16" & 3 1/2" H.



Span 2 Beam 1: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
SPAN 2 LT SIDE OF BM 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14".



TYPICAL BEARING



Span 2 Beam 2 Near Bearing : 1 Each of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.



Bent 1 Pile 3: 1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated.



LOOKING NORTH



WEIGHT LIMIT AT SE END



EAST PROFILE



WEST PROFILE



UTILITY LINE UNDER LEFT OVER HANG 4 4" PVC PIPES



FROM BRIDGE LOOKING NORTH



FROM BRIDGE LOOKING SOUTH



FROM BRIDGE LOOKING EAST DOWN STREAM



FROM BRIDGE LOOKING WEST UP STREAM



POSTED SIGN ON NW CORNER



LOOKING SOUTH



END BENT 2



BENT 4 WITH BENT 1, 2 AND 3 SIMILAR.



END BENT 1



SUPERSTRUCTURE

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 540054
(8) STRUCTURE NUMBER(FEDERAL) 000000001090054
(5) INVENTORY ROUTE (ON/UNDER) - ON 31012520
(2) STATE HIGHWAY DEPARTMENT DISTRICT 3
(3) COUNTY CODE 109 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - INDIAN CREEK
(7) FACILITY CARRIED SR1252
(9) LOCATION 0.8 MI. N. JCT. SR1239
(11)MILEPOINT 0
(16)LAT 35° 25' 22.02" (17)LONG 81° 15' 33.35"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

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 5
(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

AGE AND SERVICE

(27) YEAR BUILT 1955
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 1800
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 6 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 38 FT
(49) STRUCTURE LENGTH 200 FT
(50)CURB OR SIDEWALK: LEFT 1.125 FT RIGHT 1.125 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
(52) DECK WIDTH OUT TO OUT 26.417 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 19 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 Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 37.74
STATUS = Structurally Deficient

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(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

CONDITION CODE

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

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-21 37
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-12 22
(70) BRIDGE POSTING - Posting Required 4
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES 5

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 3600 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 03/08/2016
(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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 06/09/2016

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
LINCOLN	12	3	540054	200 FEET

ROUTE CARRIED : SR1252

FEATURE INTERSECTED : INDIAN CREEK

LOCATED : 0.8 MI. N. JCT. SR1239

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	1800 2012	LT 141 RT 141

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1955	BMU			Unknown

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

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT	27 FT	4 FT

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE : END & INTERIOR BENTS:RC CAPS ON STEEL PILES

SPANS : 5@40'0" SIMPLE

BEAMS OR GIRDERS : 4 LINES OF W27X94 I-BEAMS @ 7'0" CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
6.5" RC SLAB	4 LNS 4" PVC (TEL)	26.417 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	26.25 FT	LT 1.125 FT RT 1.125 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :
HS-12	HS-21	Int.bms	SV 26 TTST 32 DATE 09/30/2008

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	SPAN 4 LT SIDE OF BM 4 HAS 5/16" SECT LOSE FM BEARING OUT 8". 1/8" SECTION LOSS FM END OF BEAM BACK 7". 1/16" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 4 RT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 24". 3/16" LOSS IN WEB AT DIAPHRAGM.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 4 LT SIDE OF BM 4 HAS FM 1/8" TO 1/4" SECT LOSS FM END OF BM BACK 13". LOSS IN WEBB UNDER END DIAPHRAGM.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 4 RT SIDE OF BM 3 OVER BNT 3 HAS HOLE IN TOP OF WEB UNDER END DIAPHRAGM WEBB AREA FM THE END BACK 9" 1/4" SECT LOSS.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 4 RT SIDE OF BM 2 HAS 1/8" SECT LOSS FM BOTTOM FLANGE FM BEARING OUT 5". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 4 LT SIDE OF BM 1 HAS FM 1/8 TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 8". RT SIDE IS SIMILAR.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 4 RT SIDE OF BM 4 HAS FM 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14" WITH 1/16" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 3 LT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'. 1/16" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1 RT SIDE OF BM 1 OVER BENT 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM BEARING BACK 6".	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 3 RT SIDE OF BM 4 OVER BENT 2 HAS FM 5/16" BACK TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 2'. ANCHOR NUTS RUSTED AWAY.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 3 LEFT SIDE OF BM 4 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 22". 1/8" LOSS IN WEBB ANCHOR NUT RUSTED AWAY.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	1	SPAN 3 RT SIDE OF BM 2 OVER BENT 2 HAS 1/8" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 10". 1/16" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 3 LT SIDE OF BM 1 HAS 1/4 TO 5/16" SECT LOSS ALONG BOTTOM FLANGE END OF BEAM BACK 24".	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 3 RT SIDE OF BM 1 OVER BNT 2 HAS FM 1/4" TO 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 16". 1/8" LOSS IN WEB OVER BEARING PLATE.	
3314	Maintain Steel Superstructure Components	LF	3	SPAN 2 LT SIDE OF BM 1 OVER BNT 2 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE END BACK 32". 1/4" LOSS IN WEB BOTTOM UP 3".	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 RT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 20". 1/8" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 2 LT SIDE OF BM 2 HAS 1/4" SECT LOSS IN AND 8" AREA AROUND THE TOP OF ANCHOR BOLT.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 RT SIDE OF BM 4 OVER BNT 2 HAS 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 2' 1/8" LOSS IS WEB.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 LT SIDE OF BM 4 OVER BNT 2 BOTTOM FLANGE DOWN TO KNIFES EDGE FM ANCHOR BOLT OUT 11". FM 1/8" TO 5/16" LOSS OVER NEXT 11".	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 RT SIDE OF BEAM 3 HAS 1/16 TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 18". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 2 LT SIDE OF BM 3 OVER BNT 2 HAS 3/16" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 9".	
3314	Maintain Steel Superstructure Components	LF	2	SPN 2 RT SD BM 2 HAS 1/8" TO 3/16" SECT LOS ALNG BOTM FLNG FM END BEAM BACK 18". WEB AREA UNR END DIAPH DWN TO KNIFE EDG 1 1/2" X 10" L. HOLES IN WEB.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	SPAN 1 RIGHT SIDE OF BEAM 1 HAS 1/4" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM BACK 16" AND 1/8" LOSS IN WEB WITH RIGHT SIDE SIMILAR.	
3314	Maintain Steel Superstructure Components	LF	2	SP2 RT S OF BM1 OVR BT1 HAS 9/16" SCT LOS ALNG BOTM FLANG FM BERING OUT 9" & 1/4" SCT LOS OVR NXT 6" 5/16" SCT LOS IN WEB FM ANCHR BLT OUT 16" & 3 1/2	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 LT SIDE OF BM 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14".	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 2 RIGHT SIDE OF BEAM 4 OVER BENT 1 HAS 3/16" SECTION LOSS ALONG BOTTOM FLANGE FM BEARING OUT 12"	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 2 LT SIDE OF BM 4 HAS 1/4" SECT LOSS ALONG THE BOTTOM FLANGE FM BEARING PLATE OUT 10". 1/16" LOSS IN WEB.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1 LT SIDE OF BM 4 HAS 1/4" SECTION LOSS ALONG BOTTOM FLANGE BEARING OUT 1'.	
3314	Maintain Steel Superstructure Components	LF	3	SPAN 2 RIGHT SIDE OF BM 3 HAS 1/8" SECTION LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 3'.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1 RIGHT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1 LT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 LT SIDE OF BEAM 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18" AND 1/8" LOSS IN WEB UNDER END DIAPHRAGM.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 1 RIGHT SIDE OF BEAM 2 OVER BENT 1 HAS FM 1/4" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 15"	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	SPAN 2 RIGHT SIDE OF BEAM 2 HAS FM 1/4" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END BACK 14".	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1 LT SIDE OF BEAM 2 HAS 1/4" SECTION LOSS ALONG THE BOTTOM FLANGE FROM THE END OF BEAM BACK 12. 1/16" LOSS IN WEB.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 4	SP 4 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS.

Details

SPAN 4 LT SIDE OF BM 4 HAS 5/16" SECT LOSE FM BEARING OUT 8". 1/8" SECTION LOSS FM END OF BEAM BACK 7". 1/16" LOSS IN WEB.

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

Location:		
Beams and Girders	Bent/Span No. 4	SP 4 RT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 RT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 24". 3/16" LOSS IN WEB AT DIAPHRAGM.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 4	SP 4 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 LT SIDE OF BM 4 HAS FM 1/8" TO 1/4" SECT LOSS FM END OF BM BACK 13". LOSS IN WEBB UNDER END DIAPHRAGM.

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

Location:		
Beams and Girders	Bent/Span No. 4	SP 4 RT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 RT SIDE OF BM 3 OVER BNT 3 HAS HOLE IN TOP OF WEB UNDER END DIAPHRAGM WEBB AREA FM THE END BACK 9" 1/4" SECT LOSS.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 4	SPAN 4 RT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 RT SIDE OF BM 2 HAS 1/8" SECT LOSS FM BOTTOM FLANGE FM BEARING OUT 5". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

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

Location:		
Beams and Girders	Bent/Span No. 4	SPAN 4 LT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 LT SIDE OF BM 1 HAS FM 1/8 TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 8". RT SIDE IS SIMILAR.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 4	SPAN 4 RT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 4 RT SIDE OF BM 4 HAS FM 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14" WITH 1/16" LOSS IN WEB.

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 LT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'. 1/16" LOSS IN WEB.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 RT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 RT SIDE OF BM 1 OVER BENT 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM BEARING BACK 6".

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 RT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 RT SIDE OF BM 4 OVER BENT 2 HAS FM 5/16" BACK TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 2'. ANCHOR NUTS RUSTED AWAY.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 LEFT SIDE OF BM 4 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 22". 1/8" LOSS IN WEBB ANCHOR NUT RUSTED AWAY.

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 RT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 RT SIDE OF BM 2 OVER BENT 2 HAS 1/8" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 10". 1/16" LOSS IN WEB.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 LT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 LT SIDE OF BM 1 HAS 1/4 TO 5/16" SECT LOSS ALONG BOTTOM FLANGE END OF BEAM BACK 24".

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

Location:		
Beams and Girders	Bent/Span No. 3	SPAN 3 RT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 3 RT SIDE OF BM 1 OVER BNT 2 HAS FM 1/4" TO 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 16". 1/8" LOSS IN WEB OVER BEARING PLATE.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 1 OVER BNT 2 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE END BACK 32". 1/4" LOSS IN WEB BOTTOM UP 3".

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 20". 1/8" LOSS IN WEB.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 2 HAS 1/4" SECT LOSS IN AND 8" AREA AROUND THE TOP OF ANCHOR BOLT.

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RT SIDE OF BM 4 OVER BNT 2 HAS 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 2' 1/8" LOSS IS WEB.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 4 OVER BNT 2 BOTTOM FLANGE DOWN TO KNIFES EDGE FM ANCHOR BOLT OUT 11". FM 1/8" TO 5/16" LOSS OVER NEXT 11".

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RT SIDE OF BEAM 3 HAS 1/16 TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 18". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 3 OVER BNT 2 HAS 3/16" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 9".

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPN 2 RT SD BM 2 HAS 1/8" TO 3/16" SECT LOS ALNG BOTM FLNG FM END BEAM BACK 18". WEB AREA UNR END DIAPH DWN TO KNIFE EDG 1 1/2" X 10" L. HOLES IN WEB.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 RT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 RIGHT SIDE OF BEAM 1 HAS 1/4" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM BACK 16" AND 1/8" LOSS IN WEB WITH RIGHT SIDE SIMILAR.

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SP2 RT S OF BM1 OVR BT1 HAS 9/16" SCT LOS ALNG BOTM FLANG FM BERING OUT 9" & 1/4" SCT LOS OVR NXT 6" 5/16" SCT LOS IN WEB FM ANCHR BLT OUT 16" & 3 1/2

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14".

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RIGHT SIDE OF BEAM 4 OVER BENT 1 HAS 3/16" SECTION LOSS ALONG BOTTOM FLANGE FM BEARING OUT 12"

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BM 4 HAS 1/4" SECT LOSS ALONG THE BOTTOM FLANGE FM BEARING PLATE OUT 10". 1/16" LOSS IN WEB.

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 LT BM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 LT SIDE OF BM 4 HAS 1/4" SECTION LOSS ALONG BOTTOM FLANGE BEARING OUT 1'.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RIGHT SIDE OF BM 3 HAS 1/8" SECTION LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 3'.

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 RT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 RIGHT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 LT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLRTON ADAMS

Details

SPAN 1 LT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 LT BM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 LT SIDE OF BEAM 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18" AND 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 RT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 RIGHT SIDE OF BEAM 2 OVER BENT 1 HAS FM 1/4" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 15"

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

Location:		
Beams and Girders	Bent/Span No. 2	SPAN 2 RT BM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 2 RIGHT SIDE OF BEAM 2 HAS FM 1/4" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END BACK 14".

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 540054 County LINCOLN

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

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

Location:		
Beams and Girders	Bent/Span No. 1	SPAN 1 LT BM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2016	RD WILLIAMS	CARLTON ADAMS

Details

SPAN 1 LT SIDE OF BEAM 2 HAS 1/4" SECTION LOSS ALONG THE BOTTOM FLANGE FROM THE END OF BEAM BACK 12. 1/16" LOSS IN WEB.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 4 LT SIDE OF BM 4 HAS 5/16" SECT LOSE FM BEARING OUT 8". 1/8" SECTION LOSS FM END OF BEAM BACK 7". 1/16" LOSS IN WEB.

Structure 540054 County LINCOLN Date: Condition Photos



LARGE DRIFT WITH BIG TREES AGAINST UP STREAM END OF BENT 3. DRIFT AND DEBRIS SCATTERED UP STREAM BLOCKING MIDDLE OF CHANNEL.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 4 RT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 24". 3/16" LOSS IN WEB AT DIAPHRAGM.



SPAN 4 LT SIDE OF BM 4 HAS FM 1/8" TO 1/4" SECT LOSS FM END OF BM BACK 13". LOSS IN WEBB UNDER END DIAPHRAGM.



SPAN 4 RT SIDE OF BM 3 OVER BNT 3 HAS HOLE IN TOP OF WEB UNDER END DIAPHRAGM WEBB AREA FM THE END BACK 9" 1/4" SECT LOSS.



SPAN 4 RT SIDE OF BM 2 HAS 1/8" SECT LOSS FM BOTTOM FLANGE FM BEARING OUT 5". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 4 LT SIDE OF BM 1 HAS FM 1/8 TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM BEARING OUT 8". RT SIDE IS SIMILAR.



SPAN 4 RT SIDE OF BM 4 HAS FM 1/8" TO 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14" WITH 1/16" LOSS IN WEB.



SPAN 3 LT SIDE OF BM 4 OVER BNT 3 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'. 1/16" LOSS IN WEB.



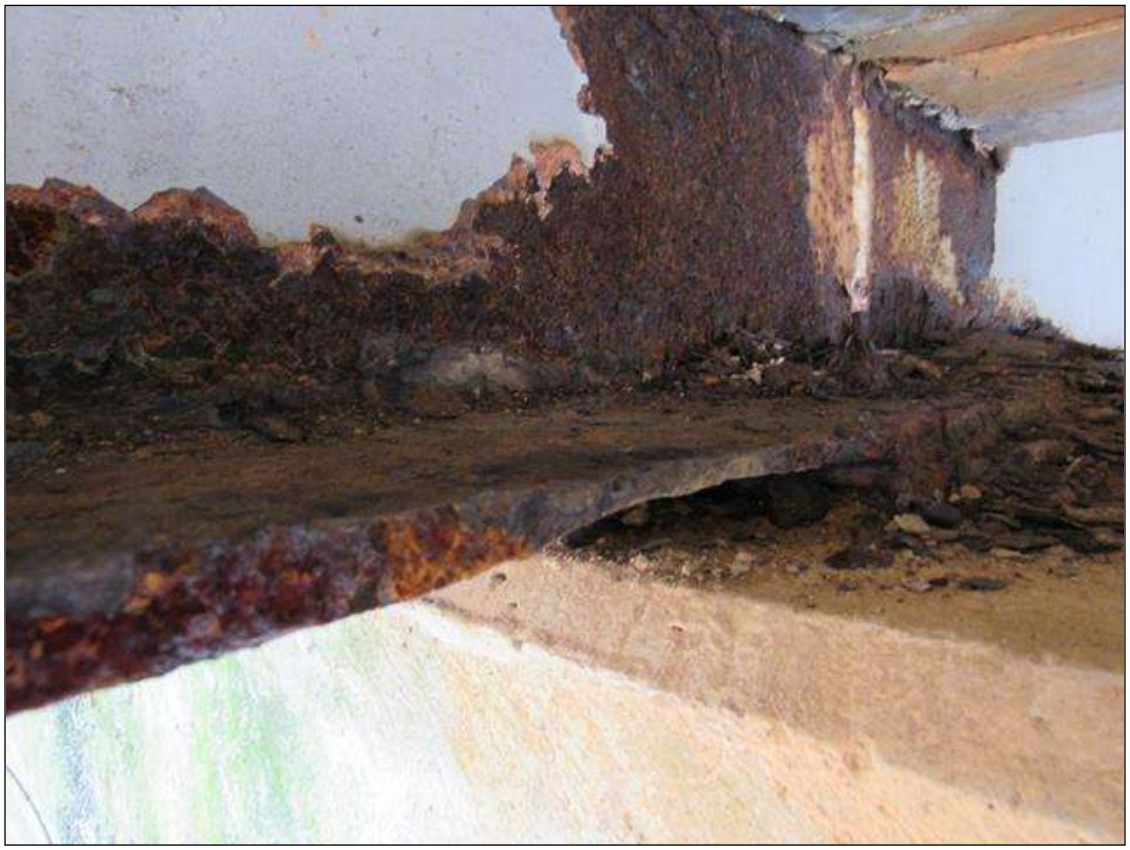
SPAN 1 RT SIDE OF BM 1 OVER BENT 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM BEARING BACK 6".

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 3 RT SIDE OF BM 4 OVER BENT 2 HAS FM 5/16" BACK TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 2'. ANCHOR NUTS RUSTED AWAY.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 3 LEFT SIDE OF BM 4 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 22". 1/8" LOSS IN WEBB ANCHOR NUT RUSTED AWAY.



SPAN 3 RT SIDE OF BM 2 OVER BENT 2 HAS 1/8" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 10". 1/16" LOSS IN WEB.



SPAN 3 LT SIDE OF BM 1 HAS 1/4 TO 5/16" SECT LOSS ALONG BOTTOM FLANGE END OF BEAM BACK 24".

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 3 RT SIDE OF BM 1 OVER BNT 2 HAS FM 1/4" TO 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 16". 1/8" LOSS IN WEB OVER BEARING PLATE.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 2 LT SIDE OF BM 1 OVER BNT 2 HAS FM 7/16" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE END BACK 32". 1/4" LOSS IN WEB BOTTOM UP 3".



SPAN 2 RT SIDE OF BM 1 OVER BENT 2 HAS FM 7/16" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 20". 1/8" LOSS IN WEB.



SPAN 2 LT SIDE OF BM 2 HAS 1/4" SECT LOSS IN AND 8" AREA AROUND THE TOP OF ANCHOR BOLT.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 2 RT SIDE OF BM 4 OVER BNT 2 HAS 3/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BM BACK 2' 1/8" LOSS IS WEB.



SPAN 2 LT SIDE OF BM 4 OVER BNT 2 BOTTOM FLANGE DOWN TO KNIFES EDGE FM ANCHOR BOLT OUT 11". FM 1/8" TO 5/16" LOSS OVER NEXT 11".



SPAN 2 RT SIDE OF BEAM 3 HAS 1/16 TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 18". 1/8" LOSS IN WEB UNDER END DIAPHRAGM.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 2 LT SIDE OF BM 3 OVER BNT 2 HAS 3/16" SECT LOSS ALONG BOTTOM OF FLANGE FM END OF BEAM BACK 9".



SPN 2 RT SD BM 2 HAS 1/8" TO 3/16" SECT LOS ALNG BOTM FLNG FM END BEAM BACK 18". WEB AREA UNR END DIAPH DWN TO KNIFE EDG 1 1/2" X 10" L. HOLES IN WEB.



SPAN 2 RIGHT SIDE OF BEAM 4 OVER BENT 1 HAS 3/16" SECTION LOSS ALONG BOTTOM FLANGE FM BEARING OUT 12"



SPAN 2 LT SIDE OF BM 4 HAS 1/4" SECT LOSS ALONG THE BOTTOM FLANGE FM BEARING PLATE OUT 10". 1/16" LOSS IN WEB.



SPAN 1 LT SIDE OF BM 4 HAS 1/4" SECTION LOSS ALONG BOTTOM FLANGE BEARING OUT 1'.



SPAN 2 RIGHT SIDE OF BM 3 HAS 1/8" SECTION LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 3'.



SPAN 1 RIGHT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.



SPAN 1 LT SIDE OF BM 3 OVER BENT 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 1'.

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 2 LT SIDE OF BEAM 3 HAS 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 18" AND 1/8" LOSS IN WEB UNDER END DIAPHRAGM.



SPAN 1 RIGHT SIDE OF BEAM 2 OVER BENT 1 HAS FM 1/4" TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM OUT 15"



SPAN 2 RIGHT SIDE OF BEAM 2 HAS FM 1/4" OUT TO 1/8" SECT LOSS ALONG BOTTOM FLANGE FM END BACK 14".

Structure 540054 County LINCOLN Date: Condition Photos



SPAN 1 LT SIDE OF BEAM 2 HAS 1/4" SECTION LOSS ALONG THE BOTTOM FLANGE FROM THE END OF BEAM BACK 12. 1/16" LOSS IN WEB.



SPAN 1 RIGHT SIDE OF BEAM 1 HAS 1/4" SECT LOSS ALONG BOTTOM FLANGE FROM END OF BEAM BACK 16" AND 1/8" LOSS IN WEB WITH RIGHT SIDE SIMILAR.



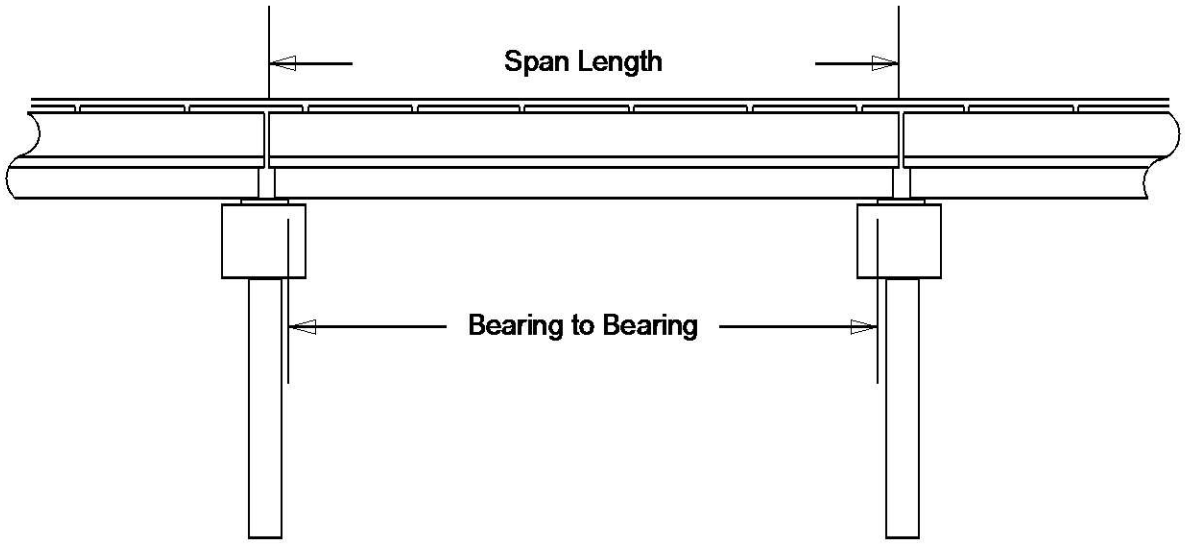
SP2 RT S OF BM1 OVR BT1 HAS 9/16" SCT LOS ALNG BOTM FLANG FM BERING OUT 9" & 1/4" SCT LOS OVR NXT 6" 5/16" SCT LOS IN WEB FM ANCHR BLT OUT 16" & 3 1/2



SPAN 2 LT SIDE OF BM 1 HAS 3/16" SECT LOSS ALONG BOTTOM FLANGE FM END OF BEAM BACK 14".

Structure Data Worksheet

County: LINCOLN Structure No: 540054 Date: Inspected By: RDW



Span No	Span Length	Bearing to Bearing	Comments
1	40 ft.0 in.	37.917	
2	40 ft.0 in.	38.333'	
3	40 ft.0 in.	38.333'	
4	40 ft.0 in.	38.333'	
5	40 FT.0 IN.	37.917'	NBIS = 194'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 540054 County: LINCOLN Date: By: RDW

Record sounding from top of rail. Other location if needed:

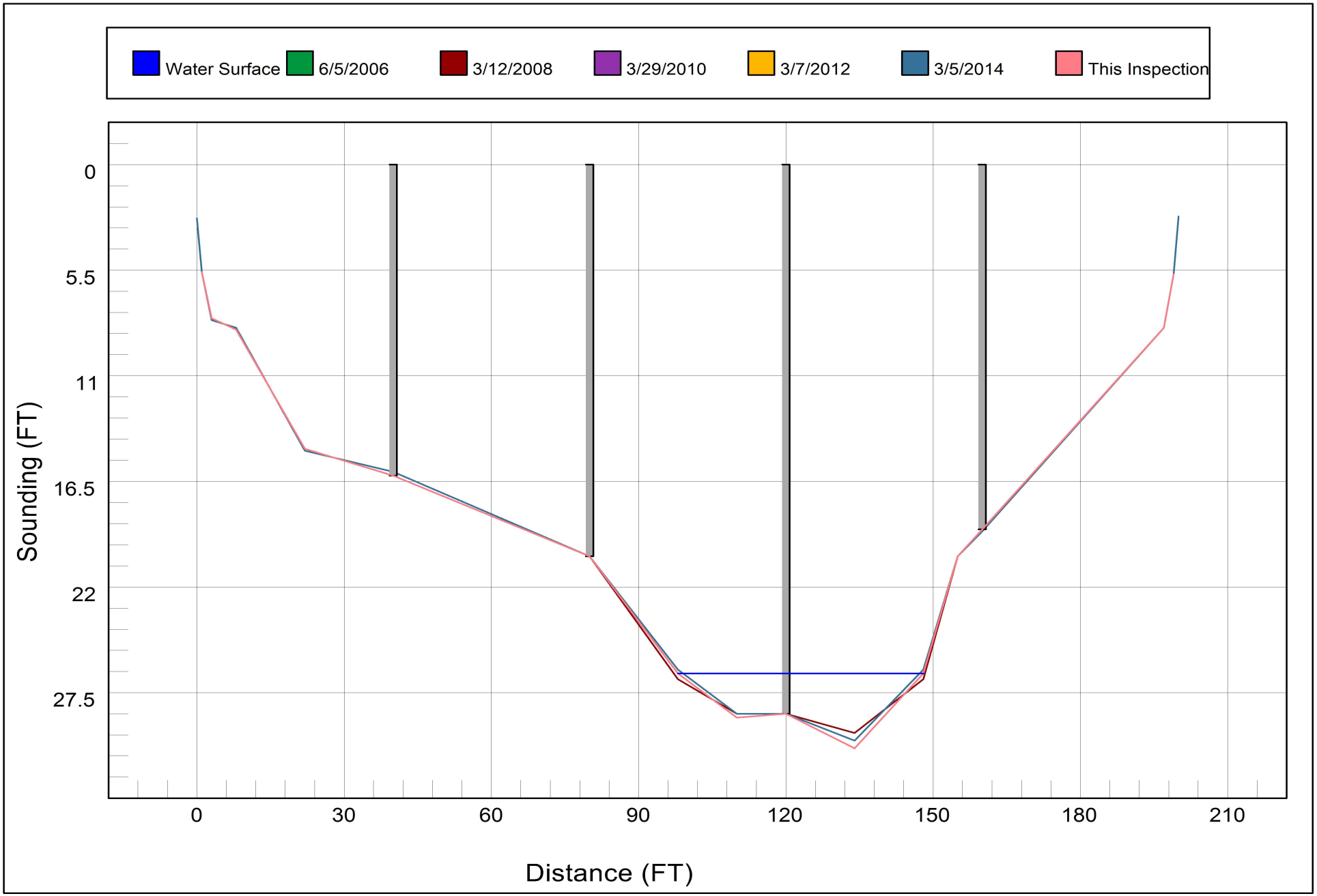
Distance from Highwater Mark to top of rail: Location of Highwater Mark:

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
1	5.6	TOP CAP			
3	8	ABUT 1	3	7	ABUT 1
8	8.6				
22	14.8				
40	16.2	BENT 1	40	15.8	BENT 1
80	20.4	BENT 2	80	18.7	BENT 2
98	26.5	WSWE			
110	28.8				
120	28.6	BENT 3	120	29.3	BENT 3
134	30.4				
148	26.5	WSWE			
155	20.4				
160	19	BENT 4	160	19.2	BENT 4
197	8.5	ABUT 2			
199	5.7	TOP CAP			

Bridge: 540054 County LINCOLN Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	18.667ft Wide	2 Paved Lanes	Looking North
Left Shoulder	8ft Wide		8ft Unpaved
Right Shoulder	8ft Wide		8ft Unpaved
Left Guardrail			
Right Guardrail			

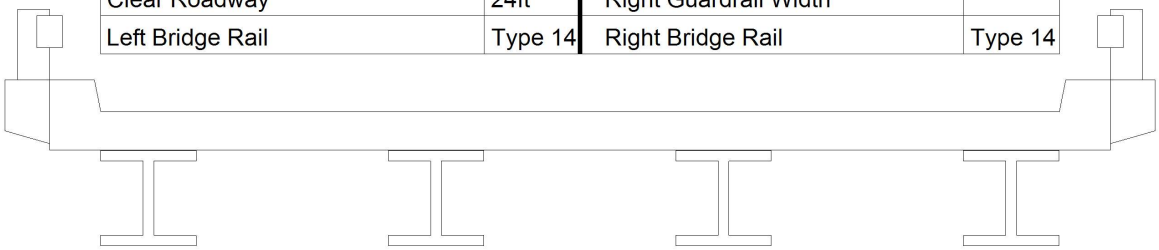
MEASUREMENTS VERIFIED BY RD WILLIAMS 3/8/16
VERIFIED BY ERIC PATTERSON ON 3-5-14

Title	**Description**
RDWY.	LOOKING NORTH

Bridge No: 540054	**Drawn By:** DCR	**Date:** 3/12/08	**File Name:** S0000000053

Bridge Inspection Field Sketch

Deck Width/Out to Out	26.417ft	Wearing Surface	
Between Rails	26.250ft	Median Width	
Curb Height	.833ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	
Clear Roadway	24ft	Right Guardrail Width	
Left Bridge Rail	Type 14	Right Bridge Rail	Type 14



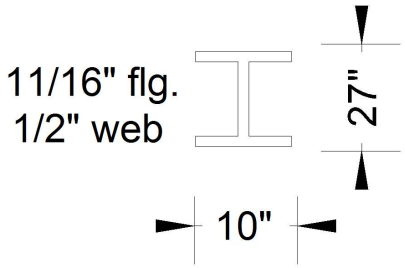
Measurements for Span #	1	ALL SPANS SIMILAR.	
Deck Thickness	.542	Left Overhang	2.708
Top of Rail to Bottom of Beam	5.542	Right Overhang	2.708

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	7ft	BEAM SIZE 10 in. W X 27.125 in. H
2	Steel I Beam	7ft	WEB THICKNESS 1/2 in.
3	Steel I Beam	7ft	FLANGE THICKNESS 3/4 in.
4	Steel I Beam		

NOTE: 4 LINES OF PVC PIPE UNDER LT. O'HANG.

SUBSTRUCTURE: ABUT. AND INTERIOR BTS: RC CAPS ON STEEL PILES

non tapered flg.



MEASUREMENTS VERIFIED BY RD WILLIAMS 3/8/16
VERIFIED BY ERIC PATTERSON ON 3-5-14

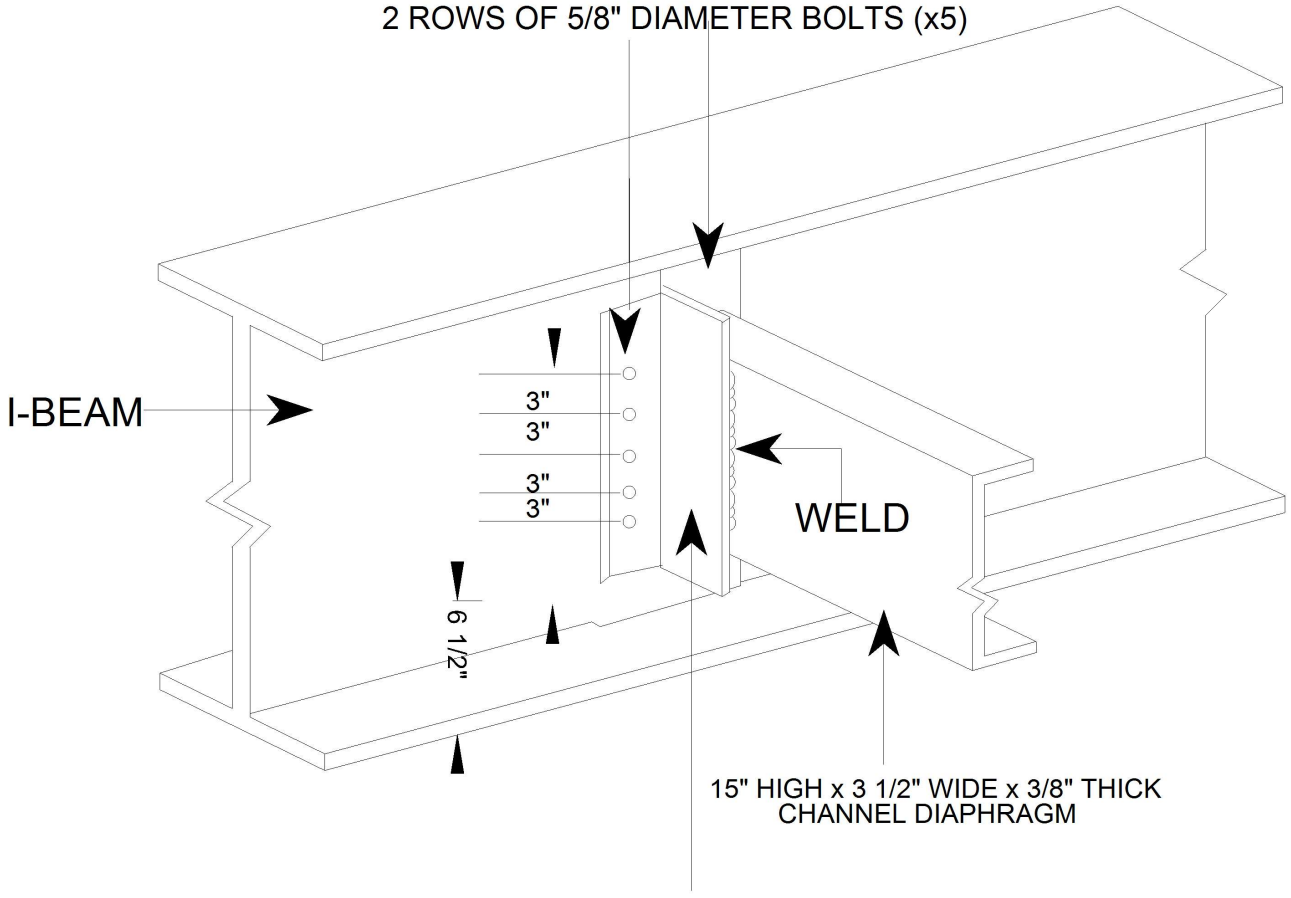
Title	Description
SUP.STR.	LOOKING NORTH

Bridge No:	Drawn By:	Date:	File Name:
540054	DCR	3/12/08	S0000000054

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : MIDSPAN



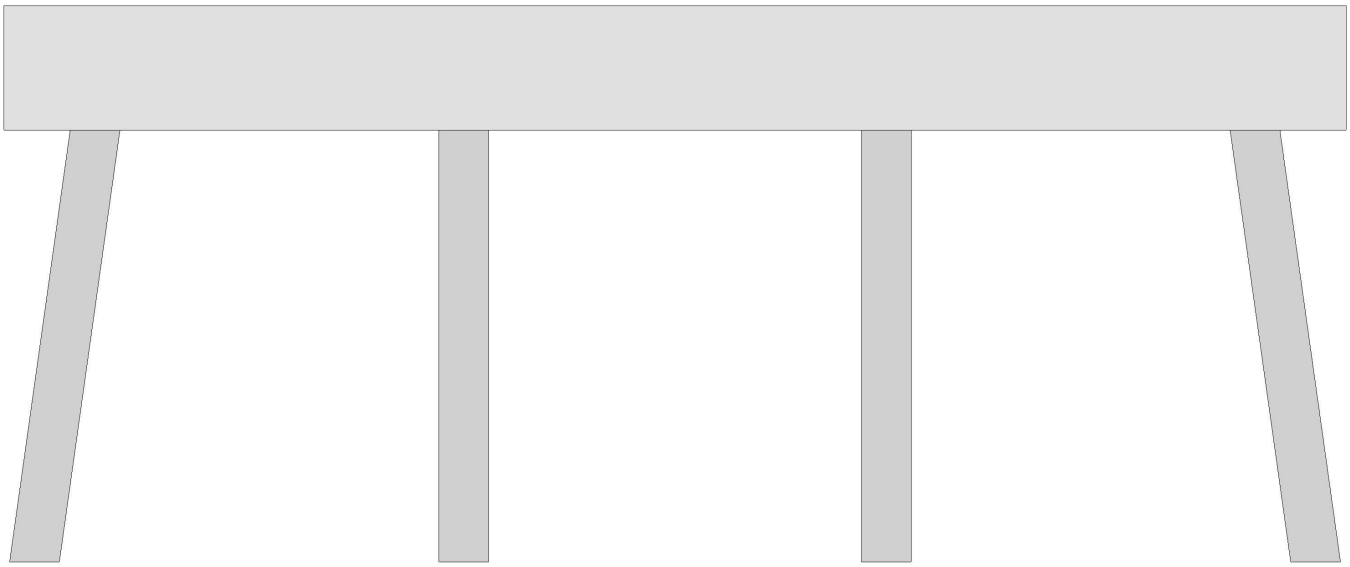
MEASUREMENTS VERIFIED BY RD WILLIAMS 3/8/16

VERIFIED BY ERIC PATTERSON ON 3-5-14

Title	Description
DIAPH.	DETAILS

Bridge No:	Drawn By:	Date:	File Name:
540054	DEREK RICKUS	3/7/2012	S0142001735

Bridge Inspection Field Sketch

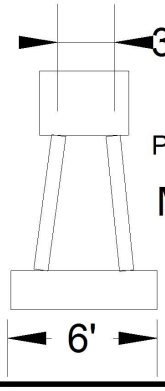


Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
27.000 ft.	2.500 ft.	2.500 ft.	1.833 ft.	1.833 ft.	2.500 ft.	2.600 ft.

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	Steel	7.417 ft.	1 ft.	0.979 ft.		Battered	Yes	No	No	No
2	Steel	8.5 ft.	1 ft.	0.979 ft.		Vertical	Yes	No	No	No
3	Steel	7.417 ft.	1 ft.	0.979 ft.		Vertical	Yes	No	No	No
4	Steel		1 ft.	0.979 ft.		Battered	Yes	No	No	No



PILES 2 AND 3 ARE DOUBLE STEEL BATTERED PILES ENCASED IN CONCRETE

MEASUREMENTS VERIFIED BY RD WILLIAMS 3/8/16

VERIFIED BY ERIC PATTERSON ON 3-5-14

Bent/Abutment #: 4 Similar Bents: 1,2 AND 3

Title	**Description**		
SUBSTRUCTURE SKETCH	DETAILS		
Bridge No: 540054	**Drawn By:** DEREK RICKUS	**Date:** 3/7/2012	**File Name:** S0142001736