



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **SHORED STRUCTURE**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: CUMBERLAND STRUCTURE NUMBER: 250045 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR2030 MILE POST:

LOCATION: 2.3 MI.N.JCT.NC210

FEATURE INTERSECTED: SOUTH RIVER

LATITUDE: 34° 59' 19.68" LONGITUDE: 78° 38' 27.74"

SUPERSTRUCTURE: STEEL PLANK FLOOR/I-BEAMS

SUBSTRUCTURE: EBTS&IBTS:TIM.CAPS/TIM.PILES W/STL.CRUTCH BTS ADDED @ IBT 1

SPANS: 1@35"3;1@35"2;2@35";1@35"2;1@35"3

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

PRESENT CONDITION: Fair INSPECTION DATE: 02/12/2015

POSTED SV: 32 22 POSTED TTST: 35 31

OTHER SIGNS PRESENT: (1) DELINEATOR, (1) WEIGHT LIMIT



SOUTH APPROACH LOOKING NORTH

Sign noticed issued for		Number Required
<u>NO</u>	WEIGHT LIMIT	<u>0</u>
<u>YES</u>	DELINEATORS	<u>3</u>
<u>NO</u>	NARROW BRIDGE	<u>0</u>
<u>NO</u>	ONE LANE BRIDGE	<u>0</u>
<u>NO</u>	LOW CLEARANCE	<u>0</u>

INSPECTED BY B. ELLIOT	SIGNATURE <i>B. Elliot</i>	ASSISTED BY T. ENNIS
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**BRIDGE INSPECTION
RECORD AND SUMMARY
FOR
SHORED STRUCTURES**

BRIDGE 250045

COUNTY Cumberland

Date 11-18-03

THE FOLLOWING S. I. & A. ITEMS ARE TO BE CODED TO REFLECT THE
FACT THAT THE STRUCTURE IS SHORED UP:

	<u>CODE</u>	<u>BY</u>
SI & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	JRJ
SI & A ITEM 59 - SUPERSTRUCTURE		
SI & A ITEM 60 - SUBSTRUCTURE	4	JRJ
SI & A ITEM 64 - OPERATING RATING	HS _____	BY _____
SI & A ITEM 64 - INVENTORY RATING	HS _____	BY _____

COMMENTS: crutch bent added both sides of bent 1

Not Temp TMS 05/04/15

Span Element Report

Structure Number: 250045

Inspection Date: 02/12/2015

Span Number 1

Span Length 35.25 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	999	899	100	0	0	100	3328
515	30	Steel Protective Coating	999	999	0	0	0	0	3342
107		Steel Open Girder/Beam	468	464	0	4	0	4	3314
515	107	Steel Protective Coating	2795	2795	0	0	0	0	3342
225		Steel Pile	4	4	0	0	0	0	3354
515	225	Steel Protective Coating	356	356	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344
231		Steel Pier Cap	30	30	0	0	0	0	3354
515	231	Steel Protective Coating	178	178	0	0	0	0	3342
235		Timber Pier Cap	32	31	1	0	0	1	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	72	70	2	0	0	2	3322
510		Wearing Surface	999	0	937	62	0	999	2816

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

Span Number 2

Span Length 35.167 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	997	897	100	0	0	100	3328
515	30	Steel Protective Coating	997	997	0	0	0	0	3342
107		Steel Open Girder/Beam	468	468	0	0	0	0	3314
515	107	Steel Protective Coating	2795	2795	0	0	0	0	3342
225		Steel Pile	2	2	0	0	0	0	3354
515	225	Steel Protective Coating	118	118	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344
231		Steel Pier Cap	34	34	0	0	0	0	3354
515	231	Steel Protective Coating	309	309	0	0	0	0	3342
235		Timber Pier Cap	32	32	0	0	0	0	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	72	72	0	0	0	0	3322
510		Wearing Surface	991	0	963	28	0	991	2816

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

Span Number 3

Span Length 35 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	992	892	100	0	0	100	3328
515	30	Steel Protective Coating	992	992	0	0	0	0	3342
107		Steel Open Girder/Beam	455	455	0	0	0	0	3314
515	107	Steel Protective Coating	2782	2782	0	0	0	0	3342
225		Steel Pile	2	2	0	0	0	0	3354
515	225	Steel Protective Coating	118	118	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344

Structure Number: 250045

Inspection Date: 02/12/2015

231		Steel Pier Cap	34	34	0	0	0	0	3354
515	231	Steel Protective Coating	309	309	0	0	0	0	3342
235		Timber Pier Cap	32	32	0	0	0	0	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	70	70	0	0	0	0	3322
510		Wearing Surface	986	0	958	28	0	986	2816

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

Span Number 4

Span Length 35 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	992	892	100	0	0	100	3328
515	30	Steel Protective Coating	992	992	0	0	0	0	3342
107		Steel Open Girder/Beam	455	455	0	0	0	0	3314
515	107	Steel Protective Coating	2782	2782	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344
235		Timber Pier Cap	32	32	0	0	0	0	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	70	55	15	0	0	15	3322
510		Wearing Surface	986	0	958	28	0	986	2816

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

Span Number 5

Span Length 35.167 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	997	897	100	0	0	100	3328
515	30	Steel Protective Coating	997	997	0	0	0	0	3342
107		Steel Open Girder/Beam	468	468	0	0	0	0	3314
515	107	Steel Protective Coating	2795	2795	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344
235		Timber Pier Cap	32	30	2	0	0	2	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	72	72	0	0	0	0	3322
510		Wearing Surface	991	0	963	28	0	991	2816

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

Span Number 6

Span Length 32.25 Feet

Number of Beams/Girders: 13

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	914	814	100	0	0	100	3328
515	30	Steel Protective Coating	914	914	0	0	0	0	3342
107		Steel Open Girder/Beam	468	468	0	0	0	0	3314
515	107	Steel Protective Coating	2795	2795	0	0	0	0	3342
225		Steel Pile	4	4	0	0	0	0	3354
515	225	Steel Protective Coating	356	356	0	0	0	0	3342
228		Timber Pile	14	14	0	0	0	0	3344
231		Steel Pier Cap	30	30	0	0	0	0	3354
515	231	Steel Protective Coating	178	178	0	0	0	0	3342

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235		Timber Pier Cap	64	60	4	0	0	4	3344
313		Fixed Bearing	26	26	0	0	0	0	3334
330		Metal Bridge Railing	66	64	2	0	0	2	3322
510		Wearing Surface	909	0	881	28	0	909	2816

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

Superstructure Detailed Element Quantities

Structure Number: 250045

Inspection Date: 02/12/2015

Structure Number: 250045

Inspection Date: 02/12/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	999	899	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	999	999	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	36	35	1	0	0	1	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	36	35	1	0	0	1	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	999	0	937	62	0	999	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	36	32	0	4	0	4	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	

Structure Number: 250045

Inspection Date: 02/12/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Structure Number: 250045
Span Number 2

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	997	897	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	997	997	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	991	0	963	28	0	991	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	

Structure Number: 250045
Span Number 2

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Structure Number: 250045
Span Number 3

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	992	892	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	992	992	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	986	0	958	28	0	986	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	

Structure Number: 250045

Inspection Date: 02/12/2015

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Structure Number: 250045
Span Number 4

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	992	892	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	992	992	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	20	15	0	0	15	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	986	0	958	28	0	986	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	214	214	0	0	0	0	3342	

Structure Number: 250045
Span Number 4

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Structure Number: 250045
Span Number 5

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	997	897	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	997	997	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	991	0	963	28	0	991	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	

Structure Number: 250045
Span Number 5

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Structure Number: 250045
Span Number 6

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	914	814	100	0	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	914	914	0	0	0	0	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	33	32	1	0	0	1	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	33	32	1	0	0	1	3322	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	909	0	881	28	0	909	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	8	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	11	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	12	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	
☒ Beam	13	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	215	215	0	0	0	0	3342	

Structure Number: 250045
Span Number 6

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	12	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	13	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 250045

Inspection Date: 02/12/2015

Span Number 1

Span 1	Deck	1	Component Name:	Steel Deck Corrugated					
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 999 Lvl 2: 100 Lvl 3: 0 Lvl 4: 0 Maint. Qty 100

Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 1	Bridge Rail	1	Component Name:	Steel Rail					
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Element: 330 Name Metal Bridge Railing Qty: 36 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

Damaged guardrail end treatment.

Span 1	Bridge Rail	2	Component Name:	Steel Rail					
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Element: 330 Name Metal Bridge Railing Qty: 36 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

Damaged guardrail end treatment.

Span 1	Wearing Surfaces		Component Name:	Epoxy Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 999 Lvl 2: 937 Lvl 3: 62 Lvl 4: 0 Maint. Qty 999

Defect Description:

0.50" crack in wearing surface over End Bent 1.

0.125" long cracks in southbound lane of span.

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span 1	Beam	3	Component Name:	Plate Girder					
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Element: 107 Name Steel Open Girder/Beam Qty: 36 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

End of beam at End Bent 1 replaced.

Span 1	Beam	4	Component Name:	Plate Girder					
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Element: 107 Name Steel Open Girder/Beam Qty: 36 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

End of beam at End Bent 1 replaced.

Span 1	Beam	8	Component Name:	Plate Girder					
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Element: 107 Name Steel Open Girder/Beam Qty: 36 Lvl 2: 0 Lvl 3: 4 Lvl 4: 0 Maint. Qty 4

Defect Description:

Beam has corrosion for 4' near end bent 1 with up to 0.125" section loss in bottom flange and bottom 3" of web.

Span 1	Beam	9	Component Name:	Plate Girder					
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Element: 107 Name Steel Open Girder/Beam Qty: 36 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

End of beam at End Bent 1 replaced.

Span Number 2

Span 2	Deck	1	Component Name:	Steel Deck Corrugated					
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 997 Lvl 2: 100 Lvl 3: 0 Lvl 4: 0 Maint. Qty 100

Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 2	Wearing Surfaces		Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 991 Lvl 2: 963 Lvl 3: 28 Lvl 4: 0 Maint. Qty 991

Defect Description:

0.25" crack in wearing surface over Bent 1.

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span Number 3

Structure Number: 250045

Inspection Date: 02/12/2015

Span 3	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 992 Lvl 2: 100 Lvl 3: 0 Lvl 4: 0 Maint. Qty 100

Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 3	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 986 Lvl 2: 958 Lvl 3: 28 Lvl 4: 0 Maint. Qty 986

Defect Description:

0.25" crack in wearing surface over Bent 2.

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span Number 4

Span 4	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 992 Lvl 2: 100 Lvl 3: 0 Lvl 4: 0 Maint. Qty 100

Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 4	Bridge Rail	1	Component Name:	Steel Rail				
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Element: 330 Name Metal Bridge Railing Qty: 35 Lvl 2: 15 Lvl 3: 0 Lvl 4: 0 Maint. Qty 15

Defect Description:

15' of barrier has impact damage.

Span 4	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 986 Lvl 2: 958 Lvl 3: 28 Lvl 4: 0 Maint. Qty 986

Defect Description:

0.25" crack in wearing surface over Bent 3.

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span 4	Beam	1	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 35 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Beam has been replaced.

Span 4	Beam	4	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 35 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Beam repaired in 1 location.

Span 4	Beam	5	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 35 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Beam repaired in 2 locations.

Span 4	Beam	13	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 35 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Beam has been replaced.

Span Number 5

Span 5	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 997 Lvl 2: 100 Lvl 3: 0 Lvl 4: 0 Maint. Qty 100

Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 5	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 991 Lvl 2: 963 Lvl 3: 28 Lvl 4: 0 Maint. Qty 991

Defect Description:

0.25" crack in wearing surface over Bent 4.

Structure Number: 250045

Inspection Date: 02/12/2015

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span Number 6

Span 6	Deck	1	Component Name:	Steel Deck Corrugated					
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Element: 30	Name Steel Deck Corrugated/Orthotrc	Qty: 914	Lvl 2: 100	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 100
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Defect Description:

Surface rust throughout steel deck around drainage holes.

Span 6	Bridge Rail	1	Component Name:	Steel Rail					
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Element: 330	Name Metal Bridge Railing	Qty: 33	Lvl 2: 1	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 1
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Defect Description:

Damaged guardrail end treatment.

Span 6	Bridge Rail	2	Component Name:	Steel Rail					
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Element: 330	Name Metal Bridge Railing	Qty: 33	Lvl 2: 1	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 1
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Defect Description:

Damaged guardrail end treatment.

Span 6	Wearing Surfaces		Component Name:	Asphalt Wearing Surface					
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Element: 510	Name Wearing Surface	Qty: 909	Lvl 2: 881	Lvl 3: 28	Lvl 4: 0	Maint. Qty: 909
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Defect Description:

0.25" crack in wearing surface over Bent 5.

Surface of wearing surface weathered and scaled with exposed coarse aggregate in all spans.

Span 6	Beam	1	Component Name:	Plate Girder					
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Element: 107	Name Steel Open Girder/Beam	Qty: 36	Lvl 2: 0	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 0
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Defect Description:

Web of beam over Bent 5 repaired.

Substructure Detailed Element Quantities

Structure Number: 250045
End Bent 1

Inspection Date: 02/12/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	15	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Span 1 Crutch Bent

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	231	Steel Pier Cap	30	30	0	0	0	0	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	178	178	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	3	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	3	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	4	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	4	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested

Structure Number: 250045

Inspection Date: 02/12/2015

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Span 2 Crutch Bent

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	231	Steel Pier Cap	34	34	0	0	0	0	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	309	309	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested

Structure Number: 250045

Inspection Date: 02/12/2015

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Span 3 Crutch Bent

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	231	Steel Pier Cap	34	34	0	0	0	0	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	309	309	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested

Structure Number: 250045

Inspection Date: 02/12/2015

Bent 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	15	1	0	0	1	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	15	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Structure Number: 250045

Inspection Date: 02/12/2015

Bent 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

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
☒ Caps	1	235	Timber Pier Cap	16	16	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	12	4	0	0	4	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Structure Number: 250045

Inspection Date: 02/12/2015

Span 6 Crutch Bent

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	231	Steel Pier Cap	30	30	0	0	0	0	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	178	178	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	3	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	3	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	4	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	4	515	Steel Protective Coating	89	89	0	0	0	0	3342	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 250045

Inspection Date: 02/12/2015

End Bent 1

End Bent 1	Row 1	Caps	2								
Element: 235	Name	Timber Pier Cap	Qty:	16	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty	1
Defect Description:											
12" deep decay in west end of crown strip of original bent cap.											

Bent 4	Row 1	Caps	1									
Element: 235	Name	Timber Pier Cap	Qty:	16	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:												
8" Decay in end of cap.												

Bent 4	Row 1	Caps	2									
Element: 235	Name	Timber Pier Cap	Qty:	16	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:												
8" Decay in end of cap.												

End Bent 2	Row 1	Caps	2									
Element: 235	Name	Timber Pier Cap	Qty:	16	Lvl 2:	4	Lvl 3	0	Lvl 4	0	Maint. Qty	4
Defect Description:												
4" deep decay in west end of original bent cap.												
3' x 1' area of decay in original bent cap under beam 8.												

National Bridge and NC Inspection Items

Structure Number: 250045

Inspection Date: 02/12/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Wingwall	G, F, P, or C	F	0	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		P		
Drift	G, F, P, or C	F	0	3366
Fender System	G, F, P, or C		0	3364
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	13		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	Y
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	8
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 250045

Inspection Date: 02/12/2015

Item	Grade	Maint Code	Qty.
Details			



DAMAGED GUARDRAIL END TREATMENT ON ALL 4 CORNERS



0.5" CRACK IN ASPHALT WEARING SURFACE OVER END BENT 1 WITH UP TO 0.5" SETTLEMENT OF APPROACH ROADWAY



SURFACE OF ASPHALT WEARING SURFACE WEATHERED AND SCALED WITH EXPOSED COARSE AGGREGATE IN ALL SPANS



NO WEIGHT LIMIT SIGN ON SOUTH APPROACH



0.125" LONGITUDINAL CRACKS IN SOUTHBOUND LANE OF SPAN 1



0.25" CRACK IN ASPHALT WEARING SURFACE OVER ALL INTERIOR BENTS



IMPACT DAMAGE TO 15' SECTION OF LEFT BARRIER IN SPAN 4



SURFACE RUST THROUGHOUT STEEL DECKING AROUND DRAINAGE HOLES



SURFACE RUST ON BOTTOM FLANGES OF BEAMS THROUGHOUT



BEAM 8 AT END BENT 1 HAS CORROSION WITH UP TO 0.125" SECTION LOSS FOR 4' IN BOTTOM FLANGE AND BOTTOM 3" OF WEB



3' X 1' AREA OF DECAY IN ORIGINAL END BENT 2 CAP UNDER BEAM 8



8" DEEP DECAY IN BOTH ENDS OF BENT 4 CAP



SOUTH APPROACH LOOKING NORTH



UPSTREAM STRUCTURE ELEVATION



DOWNSTREAM STRUCTURE ELEVATION



LOOKING UPSTREAM



LOOKING DOWNSTREAM



NORTH APPROACH LOOKING SOUTH



WEIGHT LIMIT SIGN ON NORTH APPROACH (IDENTICAL SIGNS ON SOUTH APPROACH OF BRIDGE LOCATED 1/4 OF A MILE SOUTH)



0.125" CRACK WITH UP TO 0.5" SETTLEMENT IN NORTH APPROACH



END BENT 2 WITH ADDED CRUTCH BENT



UNDERSIDE SPAN 6 (ALL SPANS SIMILAR)



REPAIR TO BEAM 1 WEB OVER BENT 5 IN SPAN 6



BENT 5



BENT 4



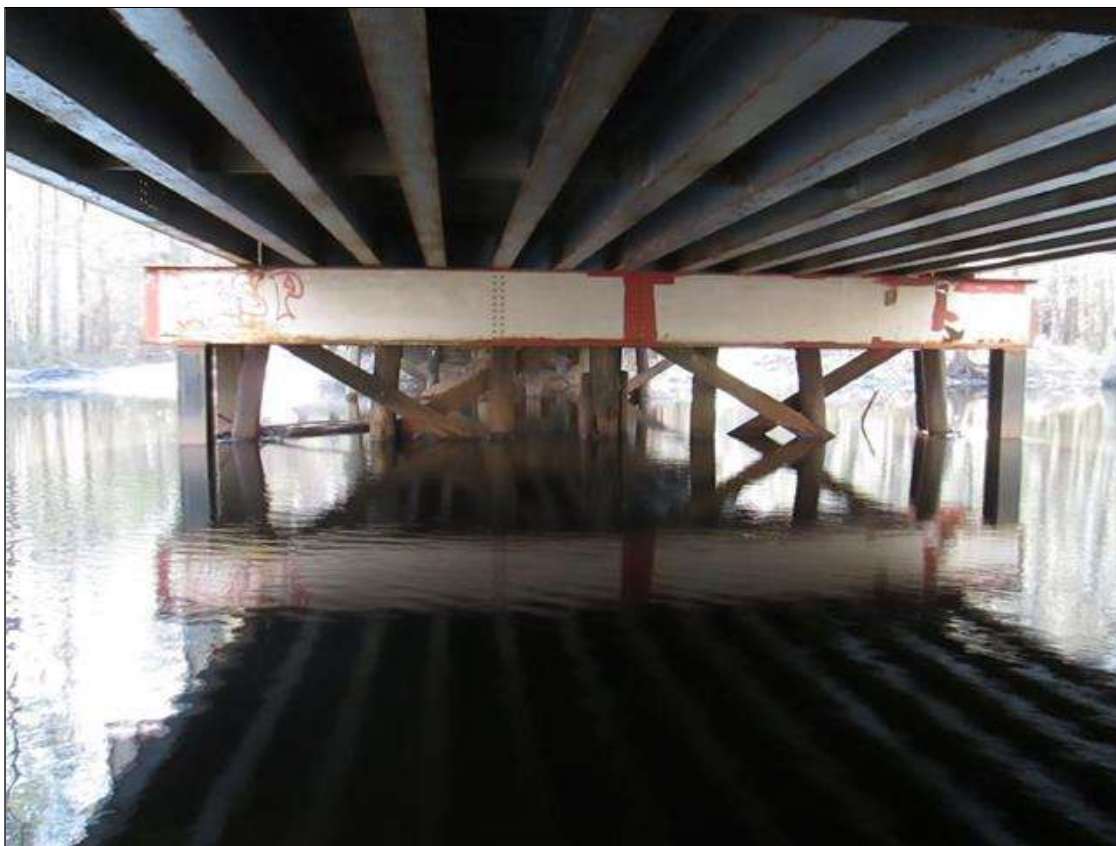
BENT 3 LOOKING SOUTH



REPAIR TO BEAM 5 IN SPAN 4 (2 LOCATIONS. SIMILAR REPAIR TO BEAM 4 IN SPAN 4)



BEAMS 1 AND 13 REPLACED IN SPAN 4



BENT 2 LOOKING SOUTH WITH CRUTCH BENTS ON BOTH SIDES



BENT 1



END BENT 1 WITH ADDED CRUTCH BENT



END OF BEAM 3 REPLACED AT END BENT 1 (SIMILAR REPAIR TO BEAMS 4 AND 9 AT END BENT 1)



12" DEEP DECAY TO WEST END OF CROWN STRIP OF ORIGINAL END BENT 1

IDENTIFICATION				CLASSIFICATION		CODE
(1) STATE NAME -NORTH CAROLINA	BRIDGE	250045		SUFFICIENCY RATING =		53.25
(8) STRUCTURE NUMBER(FEDERAL)		000000000510045		STATUS =	Not Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON		31020300				
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2				
(3) COUNTY CODE	51	(4) PLACE CODE	2700	(112)NBIS BRIDGE SYSTEM -		YES
(6) FEATURE INTERSECTED - SOUTH RIVER				(104)HIGHWAY SYSTEM	Is not on NHS	0
(7) FACILITY CARRIED SR2030				(26) FUNCTIONAL CLASS -	Minor Collector	08
(9) LOCATION 2.3 MI.N. OF JCT.NC210				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N
(16)LAT 34° 59' 19.68"	(17)LONG	78° 38' 27.74"		(102)DIRECTION OF TRAFFIC -	2-way Traffic	2
(98)BORDER BRIDGE STATE CODE	PCT SHARE			(103)TEMPORARY STRUCTURE -		
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	Not on the National Network	0
STRUCTURE TYPE AND MATERIAL				(20) TOLL	On Free Road	3
(43) STRUCTURE TYPE MAIN: Steel				(31) MAINTAIN -	State Highway Agency	01
TYPE - Stringer Multibeam or Girder	CODE	302		(22) OWNER -	State Highway Agency	01
(44) STRUCTURE TYPE APPR :				(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5
TYPE -	CODE	000		CONDITION		
(45) NUMBER OF SPANS IN MAIN UNIT		6		(58) DECK		5
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE		5
(107)DECK STRUCTURE TYPE - 6	CODE			(60) SUBSTRUCTURE		5
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		5
(A) TYPE OF WEARING SURFACE -	CODE			(62) CULVERTS		N
(B) TYPE OF MEMBRANE -	CODE			LOAD RATING AND POSTING		
(C) TYPE OF DECK PROTECTION -	CODE			(31) DESIGN LOAD	H 15	2
AGE AND SERVICE				(63) OPERATING RATING METHOD -	Allowable Stress	2
(27) YEAR BUILT		1959		(64) OPERATING RATING -	HS-20	36
(106)YEAR RECONSTRUCTED		1980		(65) INVENTORY RATING METHOD -	Allowable Stress	2
(42) TYPE OF SERVICE : ON - Highway				(66) INVENTORY RATING -	HS-8	14
UNDER - Waterway	CODE	15		(70) BRIDGE POSTING -	Posting Required	2
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P
(29) AVERAGE DAILY TRAFFIC		720		DESCRIPTION -	Posted for Load	
(30) YEAR OF ADT 2013	(109) TRUCK ADT PCT	6%		APPRAISAL		
(19) BYPASS OR DETOUR LENGTH		10 MI		(67) STRUCTURAL EVALUATION		4
GEOMETRIC DATA				(68) DECK GEOMETRY		5
(48) LENGTH OF MAXIMUM SPAN		35 FT		(69) UNDERCLEARANCES,VERTI & HORIZ		N
(49) STRUCTURE LENGTH		211 FT		(71) WATERWAY ADEQUACY		7
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT		0 FT		(72) APPROACH ROADWAY ALIGNMENT		8
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		28.1667 FT		(36) TRAFFIC SAFETY FEATURES		0000
(52) DECK WIDTH OUT TO OUT		28.3333 FT		(113)SCOUR CRITICAL BRIDGES		8
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		21 FT		PROPOSED IMPROVEMENTS		
(33) BRIDGE MEDIAN - No Median	CODE	0		(75) TYPE OF WORK -		CODE
(34) SKEW 0°	(35) STRUCTURE FLARED	0		(76) LENGTH OF STRUCTURE IMPROVEMENT		
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		(94) BRIDGE IMPROVEMENT COST		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		28.1667 FT		(95) ROADWAY IMPROVEMENT COST		
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(96) TOTAL PROJECT COST		
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE		
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		(114)FUTURE ADT 1440	(115) YEAR FUTURE ADT	2025
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		INSPECTIONS		
NAVIGATION DATA				(90) INSPECTION DATE		02/12/2015
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0		(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE
(111)PIER PROTECTION -	CODE			A) FRACTURE CRIT DETAIL -	NO	A)
(39) NAVIGATION VERTICAL CLEARANCE		0		B) UNDERWATER INSP -	YES 48Mo	B) 01/27/2015
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT		C) OTHER SPECIAL INSP	NO	C)
(40) NAVIGATION HORIZONTA. CLEARANCE		0 FT		SCOUR		

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Update Date: 07/08/2015

COUNTY : CUMBERLAND DIVISION : 6 DISTRICT : 2 STRUCTURE NUMBER : 250045 LENGTH : 211 FEET

ROUTE CARRIED : SR2030 FEATURE INTERSECTED : SOUTH RIVER

LOCATED : 2.3 MI.N. OF JCT.NC210 BRIDGE NAME : CITY : AUTRYVILLE

FUNC. CLASS : 08 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 720 2013 RAIL TYPE : LT 253 RT 253

BUILT : 1959 BY : SHC PROJ : FED.AID PROJ : DESIGN LOAD : H 15

REHAB : 1980 BY : BMU PROJ : 5.4451 ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 19 FT WATER DEPTH : 11 FT

SUPERSTRUCTURE : STEEL PLANK FLOOR/I-BEAMS

SUBSTRUCTURE : EBTS&IBTS:TIM.CAPS/TIM.PILES W/STL.CRUTCH BTS ADDED @ EBT1,IB1 & EB2

SPANS : 1@35.25'; 1@35.17'; 2@35'; 1@35.17'; 1@35.25'

BEAMS OR GIRDERS : 13 LINES W21X55 I-BEAMS@2'3CTS

FLOOR : STL PLK/4.5 AWS ENCROACHMENT : DECK (OUT TO OUT) : 28.3333 FT

CLEAR ROADWAY : 28.1667 FT BETWEEN RAILS : 28.1667 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-8 OPE.RTG. : HS-20 CONTR.MEMBER : Pile 2 POSTED : SV 32 TTST 35 DATE 03/26/2013

SYSTEM : Secondary S.R. Route GREEN LINE ROUTE : N

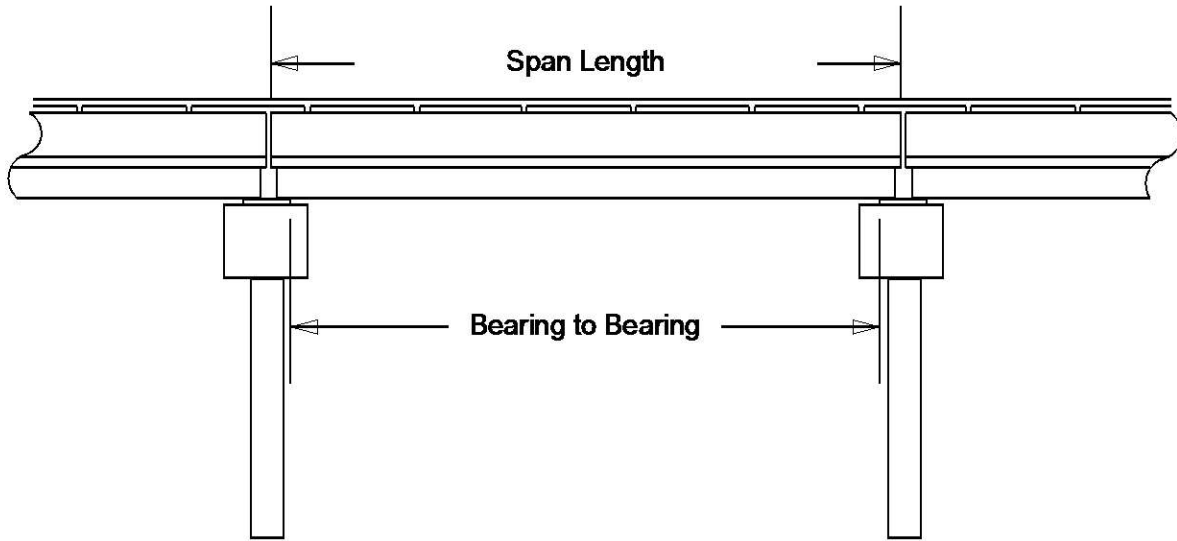
UNDER ROUTES AND CLEARANCES

REMARKS :

Structure Data Worksheet

Spans

County: CUMBERLAND Structure No: 250045 Date: Inspected By: BJE



Span No	Span Length	Bearing to Bearing	Comments
1	35.25 FT.	34.583 FT	NBIS 208.417 FT.
2	35.167 FT.	30.75 FT.	BENT 1 TO BENT 2 CRUTCH
3	35.0 FT.	30.583 FT.	BENT 2 CRUTCH TO BENT 3
4	35.0 FT.	34.583 FT.	
5	35.167 FT.	34.75 FT.	
6	35.25 FT.	34.583 FT.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 250045 County: CUMBERLAND Date: _____ By: BJE

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	4.4	Top of Cap			
2	8.4	GROUND AT CAP	2	9	GROUND AT CAP
9	10.9	Water Surface/Water Edge (WSWE)			
15	13.4				
30	16.8				
35	17.4	BENT 1	35	19.7	BENT 1
50	19.2				
60	19.8				
70	20.4	BENT 2	70	21.3	BENT 2
85	17.8				
105	11.9	BENT 3	105	11.9	BENT 3
115	10.9	Water Surface/Water Edge (WSWE)			
130	10.1				
140	10.3	BENT 4	140	10.5	BENT 4
155	10.7				
176	10.6	BENT 5	176	10.8	BENT 5
200	9.7				
209	9.5	GROUND AT CAP	209	9.5	GROUND AT CAP
210	4.4	Top of Cap			

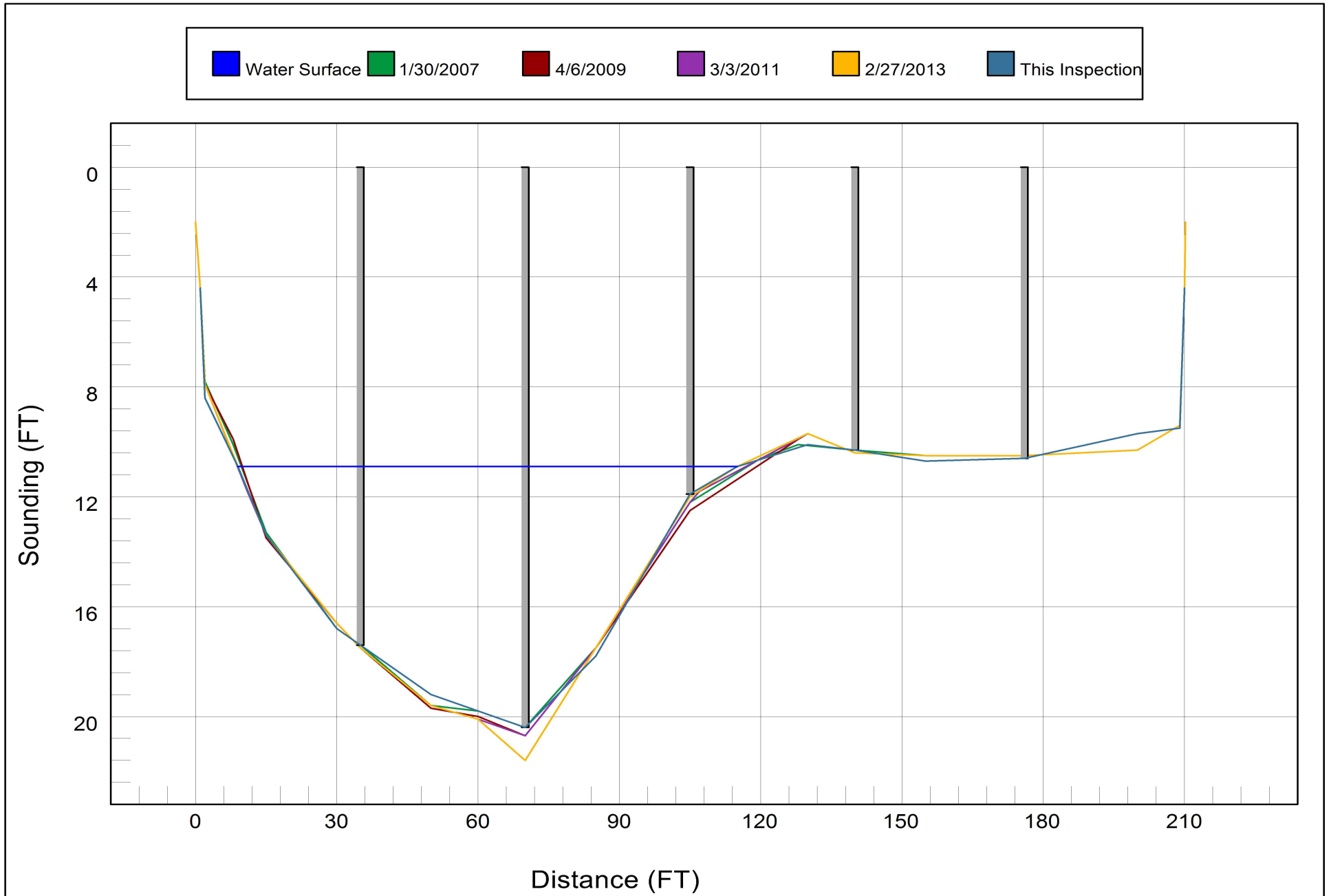
Bridge: 250045

County CUMBERLAND

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



SR-2030 (HOLLOW BRIDGE ROAD)

Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	9ft Wide	1ft Paved	8ft Unpaved
Right Shoulder	10ft Wide	2ft Paved	8ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY BJE 2/12/15

Title

APPROACH ROADWAY

Description

LOOKING NORTH

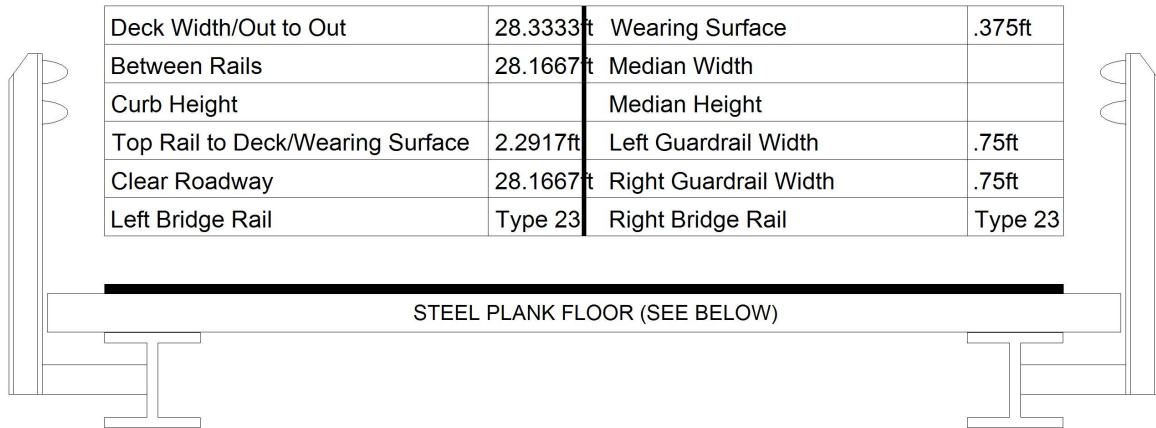
Bridge No: 250045

Drawn By: KMM

Date: 01/29/2007

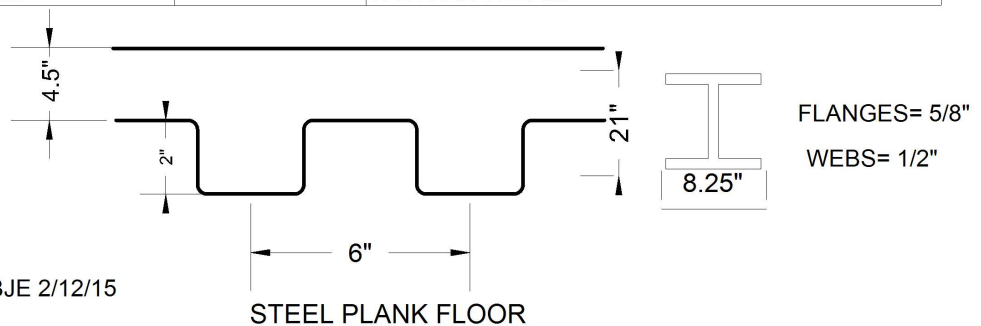
File Name: S0242001356

Bridge Inspection Field Sketch



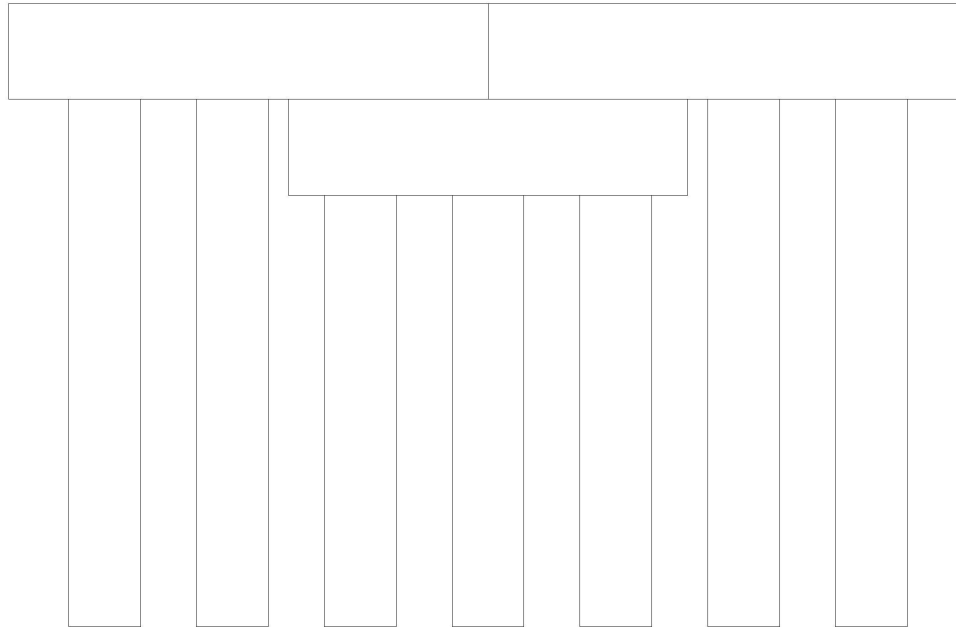
Measurements for Span #	1	ALL SPANS SIMILAR	
Deck Thickness	STEEL PLANK	Left Overhang	.6667
Top of Rail to Bottom of Beam	4.4167	Right Overhang	.6667

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.25ft	W 21 X 55 I BEAM
2	Steel I Beam	2.25ft	W 21 X 55 I BEAM
3	Steel I Beam	2.25ft	W 21 X 55 I BEAM
4	Steel I Beam	2.25ft	W 21 X 55 I BEAM
5	Steel I Beam	2.25ft	W 21 X 55 I BEAM
6	Steel I Beam	2.25ft	W 21 X 55 I BEAM
7	Steel I Beam	2.25ft	W 21 X 55 I BEAM
8	Steel I Beam	2.25ft	W 21 X 55 I BEAM
9	Steel I Beam	2.25ft	W 21 X 55 I BEAM
10	Steel I Beam	2.25ft	W 21 X 55 I BEAM
11	Steel I Beam	2.25ft	W 21 X 55 I BEAM
12	Steel I Beam	2.25ft	W 21 X 55 I BEAM
13	Steel I Beam		W 21 X 55 I BEAM



Title SUPERSTRUCTURE		Description 13 LINES OF I-BEAMS	
Bridge No: 250045	Drawn By: KMM	Date: 01/29/2007	File Name: S0242001357

Bridge Inspection Field Sketch



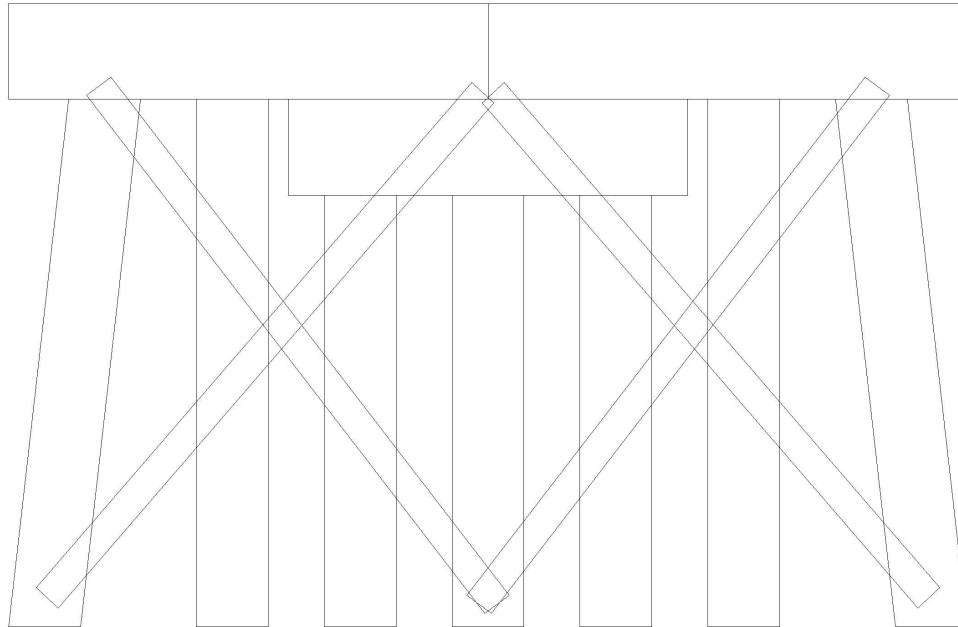
Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood)			
Cap Size	31.1667ft Long	1.0ft Wide	1.0ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	2.0833ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	2.0833ft
Timber Sub Cap			
Size	11.0ft Long	1.0ft Wide	1.0ft High
Left pile to splice	End Bent 1: 5.0 ft / End Bent 2: 6.0 ft		
Left Overhang	1.5ft		
Right Overhang	1.5ft		

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.4167		1.0		Vertical
2	Wood or Timber	Pile Bent	4.75		1.0		Vertical
3	Wood or Timber	Pile Bent	4.0		1.0		Vertical
4	Wood or Timber	Pile Bent	4.0		1.0		Vertical
5	Wood or Timber	Pile Bent	4.0		1.0		Vertical
6	Wood or Timber	Pile Bent	6.0		1.0		Vertical
7	Wood or Timber	Pile Bent			1.0		Vertical

MEASUREMENTS VERIFIED BY BJE 2/12/15

Title SUBSTRUCTURE		Description ORIGINAL END BENTS	
Bridge No: 250045	Drawn By: KMM	Date: 01/29/2007	File Name: S0242001358

Bridge Inspection Field Sketch



CROSS BRACING ON BENT 1 ONLY

Bent #	1	Bents 3 thru 5 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	31.1667ft Long	1.0ft Wide	1.0ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	2.0833ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	2.0833ft
Timber Sub Cap			
Size	11.0ft Long	1.0ft Wide	1.0ft High
Left pile to splice	Bent 1: 3.0 ft / Bent 3: 3.0 ft / Bent 4: 5.0 ft / Bent 5: 3.0 ft		
Left Overhang	1.5ft		
Right Overhang	1.5ft		

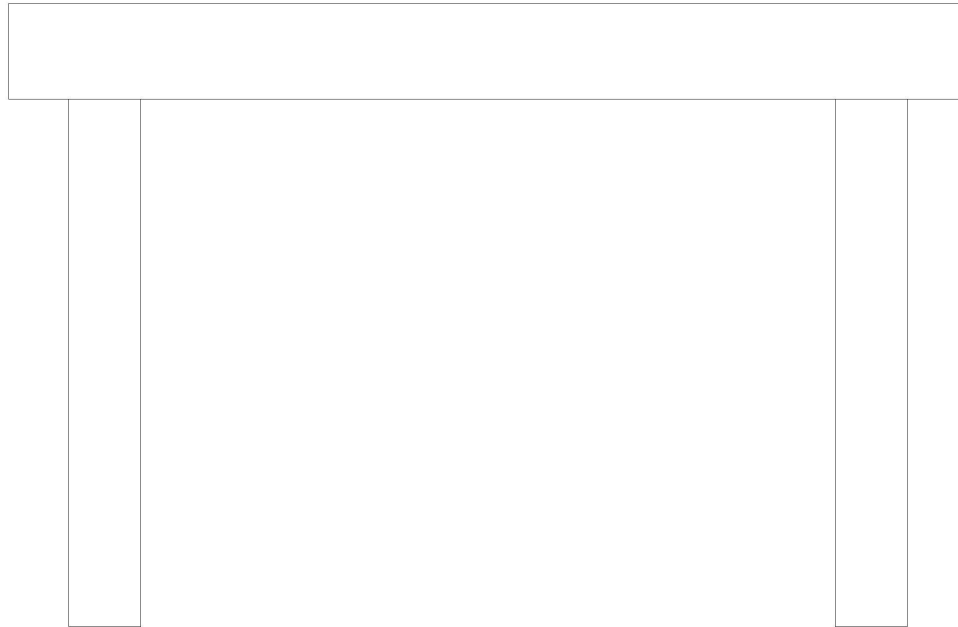
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.4167		1.0		Batter Pile
2	Wood or Timber	Pile Bent	4.75		1.0		Vertical
3	Wood or Timber	Pile Bent	4.0		1.0		Vertical
4	Wood or Timber	Pile Bent	4.0		1.0		Vertical
5	Wood or Timber	Pile Bent	4.0		1.0		Vertical
6	Wood or Timber	Pile Bent	6.0		1.0		Vertical
7	Wood or Timber	Pile Bent			1.0		Batter Pile

NOTE: PILE 1 AT BT4 ENCASED

MEASUREMENTS VERIFIED BY BJE 2/12/15

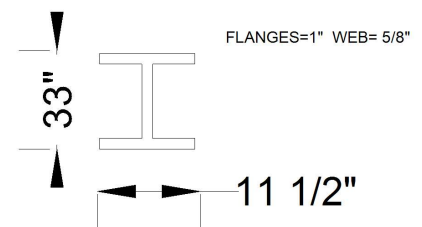
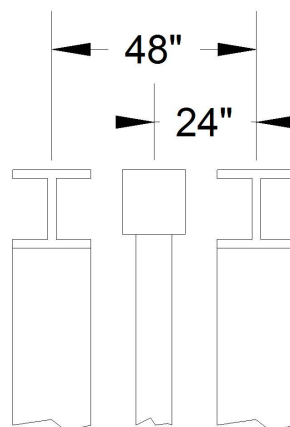
Title		Description	
SUBSTRUCTURE 1		BENTS 1 AND 3 THRU 5	
Bridge No: 250045	Drawn By: KMM	Date: 01/29/2007	File Name: S0242001359

Bridge Inspection Field Sketch



Bent #	2		
Cap - Beam Type (Steel)			
Cap Size	33.3333ft Long	1.0ft Wide	3.0ft High
Left Overhang	1.6667ft	Lt Cap/Beam Overhang	3.1667ft
Right Overhang	1.6667ft	Rt Cap/Beam Overhang	3.1667ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	30.0		.9833	1.0	Vertical
2	Steel	Pile Bent			.9833	1.0	Vertical

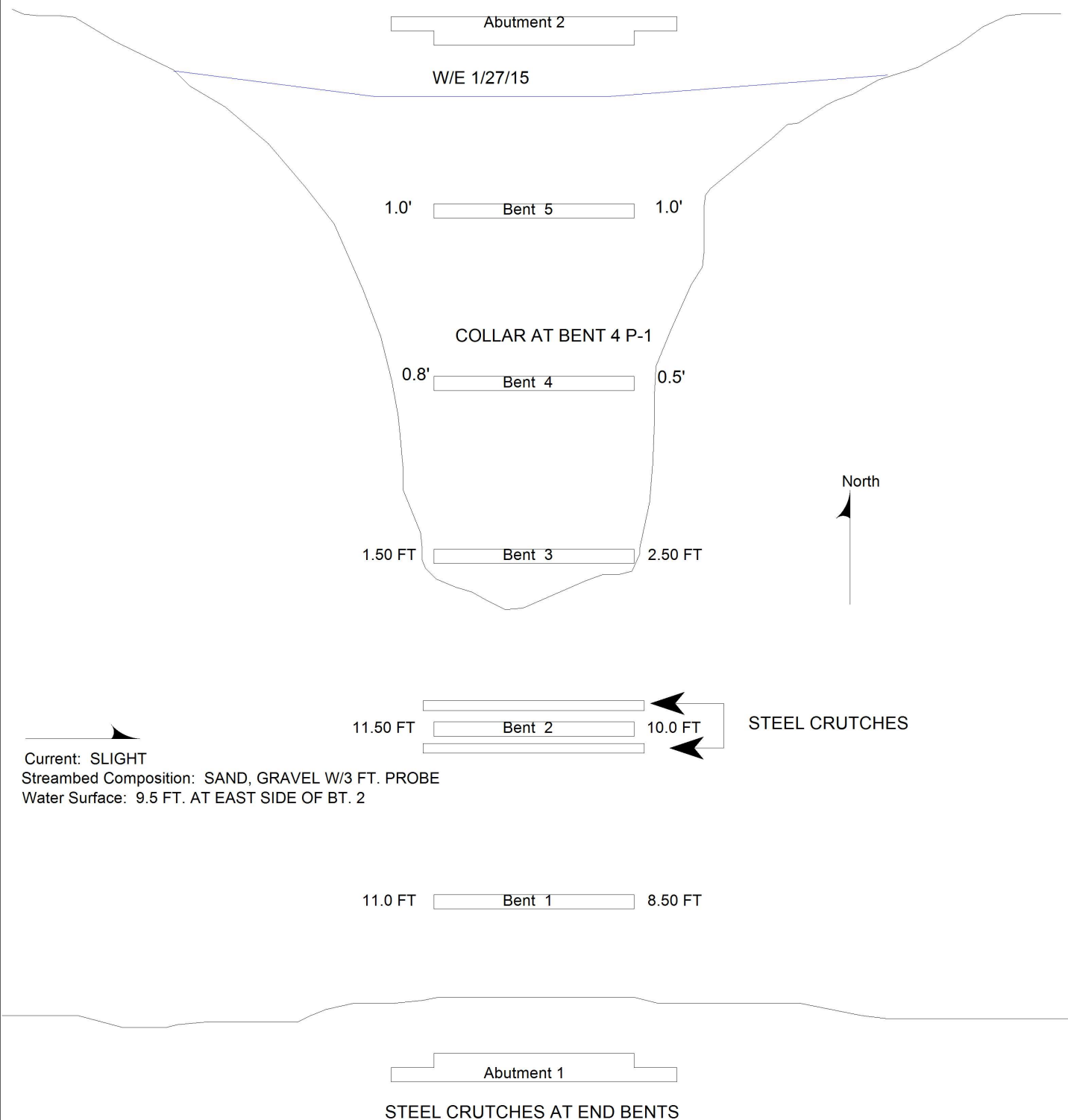


CRUTCH BENT CAP MEASUREMENTS

MEASUREMENTS VERIFIED BY BJE 2/12/15 END VIEW

Title		Description	
SUBSTRUCTURE 2		CRUTCH BENT AT BENT 2	
Bridge No: 250045	Drawn By: KMM	Date: 01/29/2007	File Name: S0242001360

Bridge Inspection Field Sketch



Title

PLAN VIEW

Description

WATERWAY

Bridge No: 250045

Drawn By: BZC

Date: 02/14/2007

File Name: S0162000042

Bridge Inspection Field Sketch

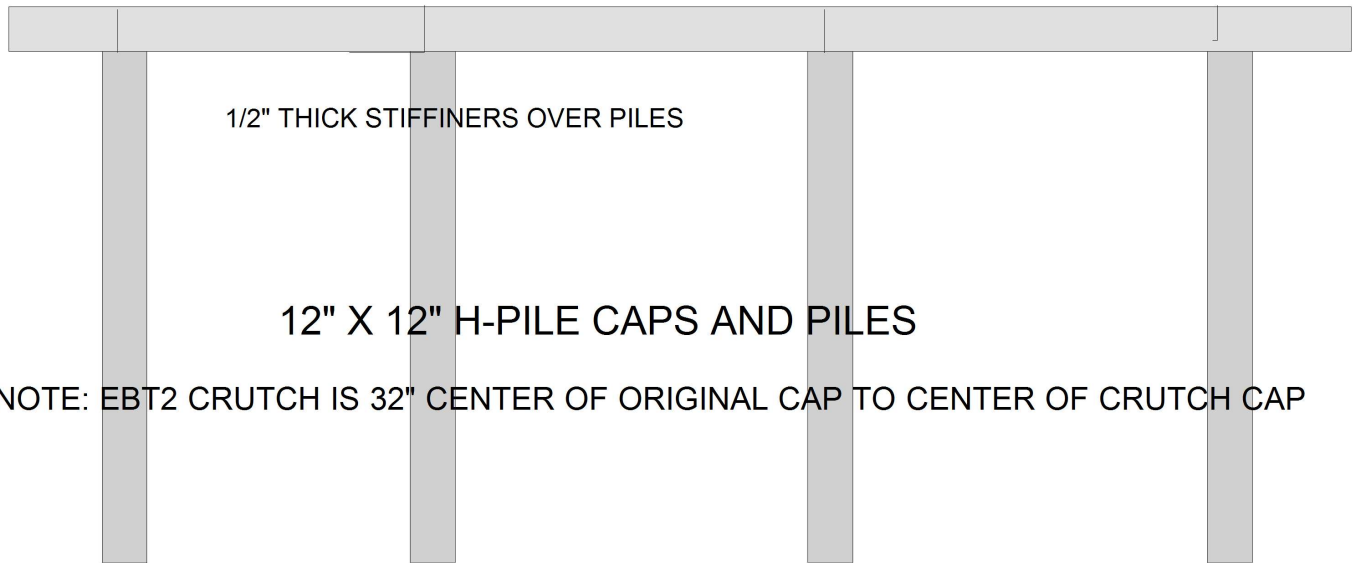
1/2" THICK STIFFENERS OVER PILES

NOTE: EBT1 CRUTCH IS 32" CENTER OF CAP TO ORIGINAL CENTER OF CAP
12" X 12" H-PILE CAPS AND PILES

Cap Information			Material Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
29.959 ft.	1.0 ft.	1.0 ft.	2.709 ft.	2.583 ft.	1.500 ft.	1.500 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	9.25 ft.	1 ft.			Vertical	Yes	No	No	No
2	Steel	8.77 ft.	1 ft.			Vertical	Yes	No	No	No
3	Steel	6.75 ft.	1 ft.			Vertical	Yes	No	No	No
4	Steel		1 ft.			Vertical	Yes	No	No	No
MEASUREMENTS VERIFIED BY BJE 2/12/15										
Bent/Abutment #: 1 Similar Bents:										

Title		Description	
SUBSTRUCTURE 3		END BENT 1 CRUTCH	
Bridge No:	250045	Drawn By:	RLK
		Date:	2/27/2013
		File Name:	S0098001386

Bridge Inspection Field Sketch



Cap Information			Material Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
29.959 ft.	1.000 ft.	1.000 ft.	2.583 ft.	2.667 ft.	1.500 ft.	1.500 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	6.875 ft.	1 ft.			Vertical	Yes	No	No	No
2	Steel	8.875 ft.	1 ft.			Vertical	Yes	No	No	No
3	Steel	8.917 ft.	1 ft.			Vertical	Yes	No	No	No
4	Steel		1 ft.			Vertical	Yes	No	No	No
MEASUREMENTS VERIFIED BY BJE 2/12/15										
Bent/Abutment #: 2 Similar Bents:										

Title		Description	
SUBSTRUCTURE 4		END BENT 2 CRUTCH	
Bridge No: 250045	Drawn By: RLK	Date: 2/27/2013	File Name: S0098001387