



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **TEMPORARY REPAIRS : ENCASED PILES**

Structure Safety Report

Routine Element Inspection

COUNTY: CUMBERLAND STRUCTURE NUMBER: 250052 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1006 MILE POST:

LOCATION: 0.2 MI.E. OF JCT.SR1818

FEATURE INTERSECTED: SOUTH RIVER

LATITUDE: 35° 5' 7.07" LONGITUDE: 78° 40' 20.26"

SUPERSTRUCTURE: STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE: EBTS&IBTS:TIM.CAP&SUB-CAP/TIM.PILES @ VARIOUS CTS.

SPANS: 1@35"4;4@35"1;1@35"4

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

PRESENT CONDITION: Poor INSPECTION DATE: 03/19/2015

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING EAST (MAXWELL ROAD)

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

INSPECTED BY R.D. HEATH	SIGNATURE <i>R.D. Heath</i>	ASSISTED BY R.L. KISNER
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Span Element Report

Structure Number: 250052

Inspection Date: 03/19/2015

Span Number 1

Span Length 35.3 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	989	909	0	80	0	80	3328
515	30	Steel Protective Coating	989	909	0	80	0	80	3342
107		Steel Open Girder/Beam	360	332	0	28	0	28	3314
515	107	Steel Protective Coating	1980	1872	60	48	0	108	3342
216		Timber Abutment	38	38	0	0	0	0	3346
228		Timber Pile	6	6	0	0	0	0	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342
330		Metal Bridge Railing	72	72	0	0	0	0	3322
515	330	Steel Protective Coating	178	178	0	0	0	0	3342
510		Wearing Surface	989	261	0	728	0	728	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 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	980	900	0	80	0	80	3328
515	30	Steel Protective Coating	980	900	0	80	0	80	3342
107		Steel Open Girder/Beam	350	350	0	0	0	0	3314
515	107	Steel Protective Coating	2170	2170	0	0	0	0	3342
228		Timber Pile	6	5	1	0	0	1	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342
330		Metal Bridge Railing	70	70	0	0	0	0	3322
515	330	Steel Protective Coating	176	176	0	0	0	0	3342
510		Wearing Surface	980	302	0	678	0	678	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: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	980	880	0	100	0	100	3328
515	30	Steel Protective Coating	980	880	0	100	0	100	3342
107		Steel Open Girder/Beam	350	350	0	0	0	0	3314
515	107	Steel Protective Coating	2170	2170	0	0	0	0	3342
228		Timber Pile	6	5	1	0	0	1	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342
330		Metal Bridge Railing	70	70	0	0	0	0	3322
515	330	Steel Protective Coating	176	176	0	0	0	0	3342

Structure Number: 250052

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510		Wearing Surface	980	376	0	604	0	604	2816
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"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: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	980	905	0	75	0	75	3328
515	30	Steel Protective Coating	980	905	0	75	0	75	3342
107		Steel Open Girder/Beam	350	308	22	20	0	42	3314
515	107	Steel Protective Coating	2170	2054	0	116	0	116	3342
228		Timber Pile	6	6	0	0	0	0	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342
330		Metal Bridge Railing	70	70	0	0	0	0	3322
515	330	Steel Protective Coating	176	176	0	0	0	0	3342
510		Wearing Surface	980	438	2	540	0	542	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 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	980	855	0	125	0	125	3328
515	30	Steel Protective Coating	980	855	0	125	0	125	3342
107		Steel Open Girder/Beam	350	318	0	32	0	32	3314
515	107	Steel Protective Coating	2170	1249	190	731	0	921	3342
228		Timber Pile	6	6	0	0	0	0	3344
235		Timber Pier Cap	30	30	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342
330		Metal Bridge Railing	70	70	0	0	0	0	3322
515	330	Steel Protective Coating	176	176	0	0	0	0	3342
510		Wearing Surface	980	449	0	531	0	531	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 35.3 Feet

Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	989	929	0	60	0	60	3328
515	30	Steel Protective Coating	989	929	0	60	0	60	3342
107		Steel Open Girder/Beam	350	312	0	38	0	38	3314
515	107	Steel Protective Coating	2170	2010	0	160	0	160	3342
216		Timber Abutment	38	38	0	0	0	0	3346
228		Timber Pile	12	12	0	0	0	0	3344
235		Timber Pier Cap	60	60	0	0	0	0	3344
316		Other Bearings	20	20	0	0	0	0	3334
515	316	Steel Protective Coating	20	20	0	0	0	0	3342

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330		Metal Bridge Railing	72	72	0	0	0	0	3322
515	330	Steel Protective Coating	176	176	0	0	0	0	3342
510		Wearing Surface	989	509	0	480	0	480	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: 250052

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Structure Number: 250052

Inspection Date: 03/19/2015

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.	989	909	0	80	0	80	3328	☐ Requested
Protective System		515	Steel Protective Coating	989	909	0	80	0	80	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	89	89	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	89	89	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	989	261	0	728	0	728	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	168	30	0	0	30	3342	
☒ Beam	2	107	Steel Open Girder/Beam	36	32	0	4	0	4	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	164	30	4	0	34	3342	
☒ Beam	3	107	Steel Open Girder/Beam	36	34	0	2	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	196	0	2	0	2	3342	
☒ Beam	4	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	198	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	198	198	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	36	34	0	2	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	196	0	2	0	2	3342	
☒ Beam	7	107	Steel Open Girder/Beam	36	36	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	198	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	198	198	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	198	198	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	36	16	0	20	0	20	3314	☐ Requested
Protective System		515	Steel Protective Coating	198	158	0	40	0	40	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 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	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Inspection Date: 03/19/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	980	900	0	80	0	80	3328	☐ Requested
Protective System		515	Steel Protective Coating	980	900	0	80	0	80	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	980	302	0	678	0	678	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 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
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Structure Number: 250052

Inspection Date: 03/19/2015

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
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	980	880	0	100	0	100	3328	☐ Requested
Protective System		515	Steel Protective Coating	980	880	0	100	0	100	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	980	376	0	604	0	604	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	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	217	217	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 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	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	980	905	0	75	0	75	3328	☐ Requested
Protective System		515	Steel Protective Coating	980	905	0	75	0	75	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	980	438	2	540	0	542	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	11	4	20	0	24	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	177	0	40	0	40	3342	
☒ Beam	2	107	Steel Open Girder/Beam	35	31	4	0	0	4	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	197	0	20	0	20	3342	
☒ Beam	3	107	Steel Open Girder/Beam	35	31	4	0	0	4	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	201	0	16	0	16	3342	
☒ Beam	4	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	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	217	217	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	35	25	10	0	0	10	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	177	0	40	0	40	3342	
☒ Beam	8	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	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	217	217	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 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
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	980	855	0	125	0	125	3328	☐ Requested
Protective System		515	Steel Protective Coating	980	855	0	125	0	125	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	35	35	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	980	449	0	531	0	531	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	30	0	5	0	5	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	27	190	0	0	190	3342	
☒ Beam	2	107	Steel Open Girder/Beam	35	32	0	3	0	3	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	0	0	217	0	217	3342	
☒ Beam	3	107	Steel Open Girder/Beam	35	30	0	5	0	5	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	207	0	10	0	10	3342	
☒ Beam	4	107	Steel Open Girder/Beam	35	27	0	8	0	8	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	197	0	20	0	20	3342	
☒ Beam	5	107	Steel Open Girder/Beam	35	32	0	3	0	3	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	0	0	217	0	217	3342	
☒ Beam	6	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	35	33	0	2	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	0	0	217	0	217	3342	
☒ Beam	8	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	0	0	0	0	3342	
☒ Beam	10	107	Steel Open Girder/Beam	35	29	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	167	0	50	0	50	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

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Span Number 6

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	989	929	0	60	0	60	3328	☐ Requested
Protective System		515	Steel Protective Coating	989	929	0	60	0	60	3342	
☒ Bridge Rail	1	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	36	36	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	88	88	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	989	509	0	480	0	480	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	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	217	217	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	217	217	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	35	29	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	192	0	25	0	25	3342	
☒ Beam	5	107	Steel Open Girder/Beam	35	29	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	192	0	25	0	25	3342	
☒ Beam	6	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	35	29	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	192	0	25	0	25	3342	
☒ Beam	8	107	Steel Open Girder/Beam	35	35	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	217	0	0	0	0	3342	
☒ Beam	9	107	Steel Open Girder/Beam	35	29	0	6	0	6	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	187	0	30	0	30	3342	
☒ Beam	10	107	Steel Open Girder/Beam	35	21	0	14	0	14	3314	☐ Requested
Protective System		515	Steel Protective Coating	217	162	0	55	0	55	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Structure Number: 250052

Inspection Date: 03/19/2015

Span Number 6

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	
☒ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	1	1	0	0	0	0	3342	

Superstructure Element Defect Descriptions

Structure Number: 250052

Inspection Date: 03/19/2015

Span Number 1

Span	1	Deck	1	Component Name:		Steel Deck Corrugated							
Element:	30	Name	Steel Deck Corrugated/Orthotrc	Qty:	989	Lvl 2:	0	Lvl 3	80	Lvl 4	0	Maint. Qty	80
Defect Description:													

80 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. SPOTS OF RUST IN DECK UNDERSIDE IN ALL BAYS AT RANDOM
80 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	Wearing Surfaces	Component Name:	Asphalt Wearing Surface									
Element:	510	Name	Wearing Surface	Qty:	989	Lvl 2:	0	Lvl 3	728	Lvl 4	0 Maint. Qty	728
Defect Description:												

700 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. MAP CRACKING IN SPAN 1 ASPHALT WEARING SURFACE
28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" TRANSVERSE CRACKS OVER BENT 1

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

BEAM 1 IN SPAN 1 HAS BEEN REPLACED (PHOTO# 5917)
30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.

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

2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST WITH SECTION LOSS 1/16" IN FLANGE WITH 7/16" REMAINING AT BENT 1
2 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.
30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.
2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. 1/8" SECTION LOSS IN WEB 3/8" REMAINING AND 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 1, BAY 1 SIDE
2 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. 2' AT END BENT 1 END

Span	Beam	3	Component Name:	Plate Girder								
Element:	107	Name	Steel Open Girder/Beam	Qty:	36	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. SECTION LOSS WITH 7/16" REMAINING IN FLANGE AT BENT 1
2 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span	Beam	6	Component Name:	Plate Girder								
Element:	107	Name	Steel Open Girder/Beam	Qty:	36	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. 1/8" SECTION LOSS 4" WIDE ON TOP FLANGE WITH 3/8" REMAINING BAY 6 AT END BENT 1
2 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. AT END BENT 1

Span	Beam	10	Component Name:	Plate Girder								
Element:	107	Name	Steel Open Girder/Beam	Qty:	36	Lvl 2:	0	Lvl 3	20	Lvl 4	0 Maint. Qty	20
Defect Description:												

20 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. BOTH FLANGES HAVE 1/8" SECTION LOSS WITH 3/8" REMAINING
40 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span Number 2

Span	2	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 980 Lvl 2: 0 Lvl 3: 80 Lvl 4: 0 Maint. Qty: 80

Defect Description:

80 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. SPOTS OF RUST IN UNDERSIDE OF DECK AT ALL BAYS

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

Span	2	Wearing Surfaces	Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 980 Lvl 2: 0 Lvl 3: 678 Lvl 4: 0 Maint. Qty: 678

Defect Description:

650 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING

28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" TRANSVERSE CRACKS OVER BENT 2

Span Number 3

Span	3	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 980 Lvl 2: 0 Lvl 3: 100 Lvl 4: 0 Maint. Qty: 100

Defect Description:

100 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. SPOTS OF RUST UNDERSIDE IN ALL BAYS

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

Span	3	Wearing Surfaces	Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 980 Lvl 2: 0 Lvl 3: 604 Lvl 4: 0 Maint. Qty: 604

Defect Description:

4 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole. 4' DIAMETER X 2" DEEP SPALL

600 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING

Span Number 4

Span	4	Deck	1	Component Name:	Steel Deck Corrugated				
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Element: 30 Name Steel Deck Corrugated/Orthotrc Qty: 980 Lvl 2: 0 Lvl 3: 75 Lvl 4: 0 Maint. Qty: 75

Defect Description:

75 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST IN UNDERSIDE AT ALL BAYS

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

Span	4	Wearing Surfaces	Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 980 Lvl 2: 2 Lvl 3: 540 Lvl 4: 0 Maint. Qty: 542

Defect Description:

3 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole. SPALL 3' DIAMETER X 3" DEEP IN EAST BOUND LANE AT BENT 3

2 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Delaminated. Spall less than 1 in. deep or less than 6 in. diameter. Patched area that is sound. Partial depth pothole. PATCH AT CENTERLINE

28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" TRANSVERSE CRACKS OVER BENT 3

475 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING

6 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole. SPALL 6' WIDE OVER BENT 4 IN EAST BOUND LANE

28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" WIDE TRANSVERSE CRACKS OVER BENT 4

Span	4	Beam	1	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 35 Lvl 2: 4 Lvl 3: 20 Lvl 4: 0 Maint. Qty: 24

Defect Description:

4 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST AT BENT 4 END
 20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. PAINT PEELING AND SURFACE RUST AT BENT 4 END
 20 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST WITH 1/16" SECTION LOSS IN BOTTOM FLANGE 7/16" REMAINING
 20 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. RUST ALONG BOTTOM FLANGE

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

20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats. PAINT PEELING AND SURFACE RUST AT BENT 4
 4 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST BENT 4 END

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

4 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST NO SECTION LOSS AT BENT 4 END
 16 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. PAINT PEELING AND SURFACE RUST AT BENT 4 END

Span	4	Beam	7	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	35	Lvl 2:	10	Lvl 3	0	Lvl 4	0	Maint. Qty	10
Defect Description:													

10 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST AT BENT 3 END
 40 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness. PAINT PEELING AND SURFACE RUST AT BENT 3 END

Span	4	Beam	10	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	35	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:													

BEAM 10 IN SPAN 4 REPLACED (PHOTO # 5958)

Span Number 5

Span	5	Deck	1	Component Name:		Steel Deck Corrugated							
Element:	30	Name	Steel Deck Corrugated/Orthotrc	Qty:	980	Lvl 2:	0	Lvl 3	125	Lvl 4	0	Maint. Qty	125
Defect Description:													

125 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST IN UNDERSIDE AT ALL BAYS
 125 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 5		Wearing Surfaces		Component Name:		Asphalt Wearing Surface							
Element: 510		Name Wearing Surface		Qty: 980		Lvl 2: 0		Lvl 3 531		Lvl 4 0		Maint. Qty 531	
Defect Description:													

475 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING
 56 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" WIDE TRANSVERSE CRACKS , 2' WIDE OVER BENT 5

Span	5	Beam	1	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	35	Lvl 2:	0	Lvl 3	5	Lvl 4	0	Maint. Qty	5
Defect Description:													

190 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.
 5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END

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

217 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.
 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
 RUST AND SCALING AT BENT 5 END

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

5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PAINT PEELING
 RUST AND SCALING WITH NO SECTION LOSS
 10 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 5	Beam 4	Component Name:				Plate Girder			
Element: 107	Name Steel Open Girder/Beam	Qty: 35	Lvl 2: 0	Lvl 3: 8	Lvl 4: 0	Maint. Qty: 8			
Defect Description:									

5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
 RUST WITH 1/8" SECTION LOSS IN BOTTOM FLANGE WITH 3/8" REMAINING AT BENT 4 END
 20 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.
 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING
 AT BENT 5 END

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

217 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.
 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING
 AT BENT 5 END

Span 5	Beam 7	Component Name:				Plate Girder						
Element: 107	Name	Steel Open Girder/Beam	Qty:	35	Lvl 2:	0	Lvl 3	2	Lvl 4	0	Maint. Qty	2
Defect Description:												

217 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.
 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING
 AT BENT 5 END

Span 5	Beam	10	Component Name:				Plate Girder					
Element: 107	Name	Steel Open Girder/Beam	Qty:	35	Lvl 2:	0	Lvl 3	6	Lvl 4	0	Maint. Qty	6
Defect Description:												

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
 PAINT PEELING AND RUST WITH SCALING IN BOTTOM FLANGE AT BENT 4 END
 50 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span Number 6

Span 6	Deck 1	Component Name:		Steel Deck Corrugated						
Element: 30	Name Steel Deck Corrugated/Orthotrc	Qty: 989	Lvl 2: 0	Lvl 3 60	Lvl 4 0	Maint. Qty 60				
Defect Description:										

60 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST IN
 UNDERSIDE AT ALL BAYS
 60 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

Span 6	Wearing Surfaces		Component Name:		Asphalt Wearing Surface							
Element: 510	Name	Wearing Surface	Qty:	989	Lvl 2:	0	Lvl 3	480	Lvl 4	0	Maint. Qty	480
Defect Description:												

480 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING

Span 6	Beam 4	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 35 **Lvl 2:** 0 **Lvl 3** 6 **Lvl 4** 0 **Maint. Qty** 6

Defect Description:

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END

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

Span 6	Beam 5	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 35 **Lvl 2:** 0 **Lvl 3** 6 **Lvl 4** 0 **Maint. Qty** 6

Defect Description:

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END

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

Span 6	Beam 7	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 35 **Lvl 2:** 0 **Lvl 3** 6 **Lvl 4** 0 **Maint. Qty** 6

Defect Description:

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END

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

Span 6	Beam 9	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 35 **Lvl 2:** 0 **Lvl 3** 6 **Lvl 4** 0 **Maint. Qty** 6

Defect Description:

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING IN BOTTOM FLANGE AT 10' FROM END BENT 2

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

Span 6	Beam 10	Component Name:	Plate Girder						
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Element: 107 **Name** Steel Open Girder/Beam **Qty:** 35 **Lvl 2:** 0 **Lvl 3** 14 **Lvl 4** 0 **Maint. Qty** 14

Defect Description:

6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END

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

8 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING IN BOTTOM FLANGE AT MID SPAN

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

Substructure Detailed Element Quantities

Structure Number: 250052

Inspection Date: 03/19/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	38	38	0	0	0	0	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 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	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	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	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 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	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 3

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

Bent 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	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	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

Structure Number: 250052

Inspection Date: 03/19/2015

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	38	38	0	0	0	0	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	15	15	0	0	0	0	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	15	15	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

Substructure Element Defect Descriptions

Structure Number: 250052

Inspection Date: 03/19/2015

End Bent 1

End Bent 1	Row 1	Piles and Columns	3
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILES 3, 5, AND 6 ENCASED IN CONCRETE AT END BENT 1 (PHOTO # 5915)

End Bent 1	Row 1	Piles and Columns	5
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILES 3, 5, AND 6 ENCASED IN CONCRETE AT END BENT 1 (PHOTO # 5915)

End Bent 1	Row 1	Piles and Columns	6
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILES 3, 5, AND 6 ENCASED IN CONCRETE AT END BENT 1 (PHOTO # 5915)

Bent 1	Row 1	Piles and Columns	2
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1

Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section DECAYED 2' HIGH X 2" WIDE X 1 1/2" DEEP ON SPAN 1 FACE

Bent 1	Row 1	Piles and Columns	6
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILE 6 AT BENT 1 ENCASED IN CONCRETE (PHOTO # 5916)

Bent 2	Row 1	Piles and Columns	1
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1

Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section DECAYED TIMBER CROSSBRACE AT PILE 1 8 FT.

Bent 4	Row 1	Piles and Columns	5
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILE 5 AT BENT 4 ENCASED IN CONCRETE (PHOTO # 5957)

Bent 5	Row 1	Piles and Columns	6
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

PILE 6 AT BENT 5 ENCASED IN CONCRETE (PHOTO # 5969)
1/4" VERTICAL CRACK IN PILE 6 ENCASEMENT AT SPAN 5 FACE, BENT 5 (PHOTO # 5970)

End Bent 2	Row 1	Piles and Columns	3
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

END BENT 2 PILES 3, 5, AND 6 ENCASED IN CONCRETE (PHOTO # 5979)

End Bent 2	Row 1	Piles and Columns	5
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Structure Number: 250052

Inspection Date: 03/19/2015

Element: 228 **Name** Timber Pile **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

END BENT 2 PILES 3, 5, AND 6 ENCASED IN CONCRETE (PHOTO # 5979)

End Bent 2	Row 1	Piles and Columns	6
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Element: 228 **Name** Timber Pile **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

END BENT 2 PILES 3, 5, AND 6 ENCASED IN CONCRETE (PHOTO # 5979)

National Bridge and NC Inspection Items

Structure Number: 250052

Inspection Date: 03/19/2015

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	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	G	0	3350
Scour	G, F, P, or C	F		
Field Scour Evaluation		U		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years	5		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	20
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 250052

Inspection Date: 03/19/2015

Item	Superstructure - Item 59	Grade	4	Maint Code		Qty.	0
Details	RECYCLED BEAMS ALL BEAMS HAVE DRILLED HOLES IN WEB AT BOTH ENDS AND AT 1/3 , 2/3 POINTS IN ALL SPANS SEE SKETCH (PHOTO# 5924)						

Item	Approach Roadway Alignment - Item 72	Grade	8	Maint Code		Qty.	0
Details	1/8" WIDE TRANSVERSE CRACK IN WEST APPROACH ASPHALT WEARING SURFACE OVER END BENT 1 1/4" TRANSVERSE CRACK WITH 1/2" SETTLEMENT IN EAST APPROACH ASPHALT WEARING SURFACE OVER END BENT 2						

Item	Other Equipment Used	Grade	Y	Maint Code		Qty.	0
Details	BOOTS						

Item	Response to live load	Grade	F	Maint Code		Qty.	0
Details	THERE IS SLAPPING AT BENTS 1 AND 2						



PILES 3, 5, AND 6 ENCASED IN CONCRETE AT END BENT 1 (PHOTO # 5915)



PILE 6 AT BENT 1 ENCASED IN CONCRETE (PHOTO # 5916)



BEAM 1 IN SPAN 1 HAS BEEN REPLACED (PHOTO# 5917)



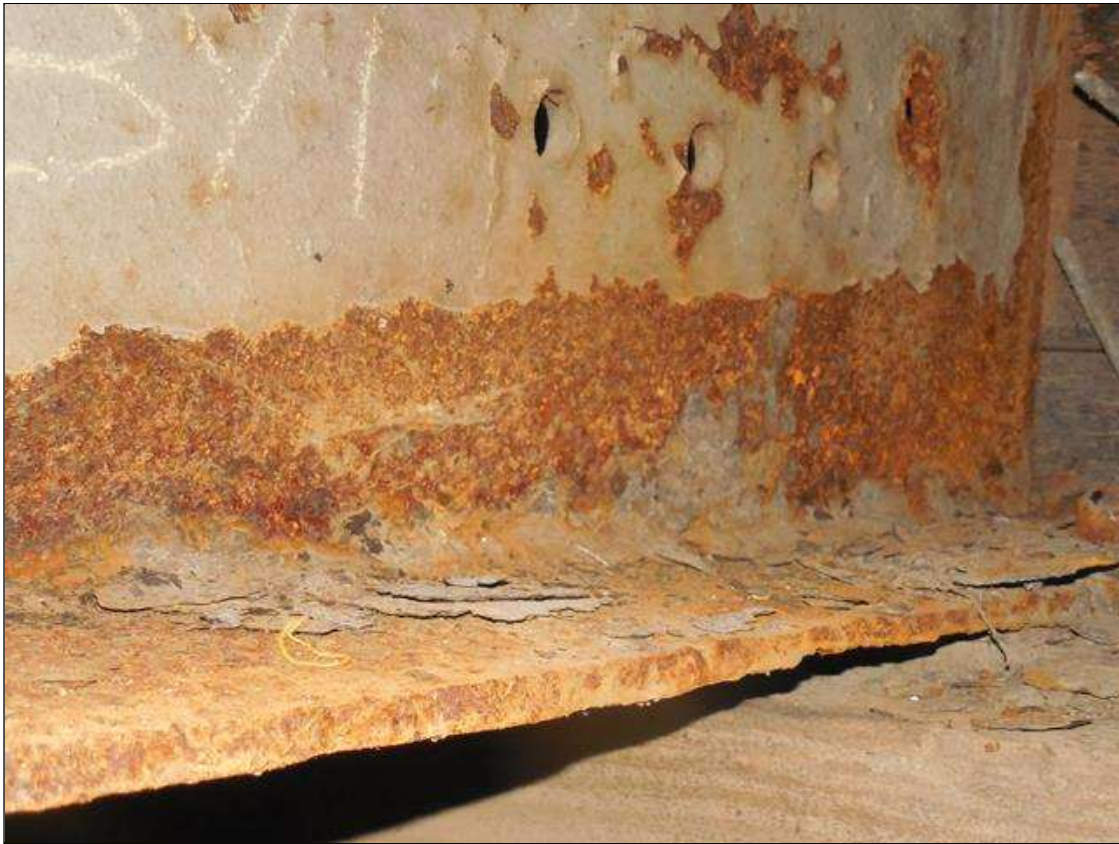
Span 1 Beam 2: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST WITH SECTION LOSS 1/16" IN FLANGE WITH 7/16" REMAINING



Span 1 Beam 3: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. SECTION LOSS WITH 7/16" REMAINING IN FLANGE



Span 1 Beam 2: 30 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.



Span 1 Beam 2: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. 1/8" SECTION LOSS IN WEB 3/8" REMAINING AND 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 1, BAY 1 SIDE



Span 1 Beam 6: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. 1/8" SECTION LOSS 4" WIDE ON TOP FLANGE WITH 3/8" REMAINING BAY 6 AT END BENT 1



RECYCLED BEAMS ALL BEAMS HAVE DRILLED HOLES IN WEB AT BOTH ENDS AND AT 1/3 , 2/3 POINTS IN ALL SPANS SEE SKETCH (PHOTO# 5924)



Span 1 Beam 10: 20 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. BOTH FLANGES HAVE 1/8" SECTION LOSS WITH 3/8" REMAINING



Bent 1 Pile 2: 1 Each of Decay/Section Loss: Affects less than 10% of the member section DECAYED 2' HIGH X 2" WIDE X 1 1/2" DEEP ON SPAN 1 FACE



Span 2 Deck: 80 Square Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. SPOTS OF RUST IN UNDERSIDE OF DECK AT ALL BAYS



Bent 2 Pile 1: 1 Each of Decay/Section Loss: Affects less than 10% of the member section DECAYED TIMBER CROSSBRACE AT PILE 1 8 FT.



1/8" WIDE TRANSVERSE CRACK IN WEST APPROACH ASPHALT WEARING SURFACE OVER END BENT 1



Span 1 Wearing Surface: 700 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. MAP CRACKING IN SPAN 1 ASPHALT WEARING SURFACE



Span 1 Wearing Surface: 28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" TRANSVERSE CRACKS OVER BENT 1



Span 2 Wearing Surface: 650 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING



Span 2 Wearing Surface: 28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" TRANSVERSE CRACKS OVER BENT 2



Span 3 Wearing Surface: 4 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole. 4' DIAMETER X 2" DEEP SPALL



Span 3 Wearing Surface: 600 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING



Span 4 Wearing Surface: 3 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole.
SPALL 3' DIAMETER X 3" DEEP IN EAST BOUND LANE AT BENT 3



Span 4 Wearing Surface: 2 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces):
Delaminated. Spall less than 1 in. deep or less than 6 in. diameter. Patched area that is sound. Partial depth pothole.
PATCH AT CENTERLINE



Span 4 Wearing Surface: 28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" TRANSVERSE CRACKS OVER BENT 3



Span 4 Wearing Surface: 475 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING



Span 4 Wearing Surface: 6 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole.
SPALL 6' WIDE OVER BENT 4 IN EAST BOUND LANE



Span 4 Wearing Surface: 28 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" WIDE TRANSVERSE CRACKS OVER BENT 4



Span 5 Wearing Surface: 475 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING



Span 5 Wearing Surface: 56 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/2" WIDE TRANSVERSE CRACKS , 2' WIDE OVER BENT 5



Span 6 Wearing Surface: 480 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1/8" MAP CRACKING



1/4" TRANSVERSE CRACK WITH 1/2" SETTLEMENT IN EAST APPROACH ASPHALT WEARING SURFACE OVER
END BENT 2



PILE 5 AT BENT 4 ENCASED IN CONCRETE (PHOTO # 5957)



BEAM 10 IN SPAN 4 REPLACED (PHOTO # 5958)



Span 4 Beam 7: 10 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST AT BENT 3 END



Span 4 Beam 3: 4 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. PAINT PEELING AND SURFACE RUST NO SECTION LOSS AT BENT 4 END



Span 4 Beam 1: 20 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST WITH 1/16" SECTION LOSS IN BOTTOM FLANGE 7/16" REMAINING



Span 5 Beam 1: 190 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish coats only.



Span 5 Beam 2: 217 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.



Span 5 Beam 3: 5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. PAINT PEELING RUST AND SCALING WITH NO SECTION LOSS



Span 5 Beam 4: 5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

RUST WITH 1/8" SECTION LOSS IN BOTTOM FLANGE WITH 3/8" REMAINING AT BENT 4 END



Span 5 Beam 5: 217 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.



Span 5 Beam 10: 6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
PAINT PEELING AND RUST WITH SCALING IN BOTTOM FLANGE AT BENT 4 END



PILE 6 AT BENT 5 ENCASED IN CONCRETE (PHOTO # 5969)



1/4" VERTICAL CRACK IN PILE 6 ENCASEMENT AT SPAN 5 FACE, BENT 5 (PHOTO # 5970)



Span 5 Beam 7: 2 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END



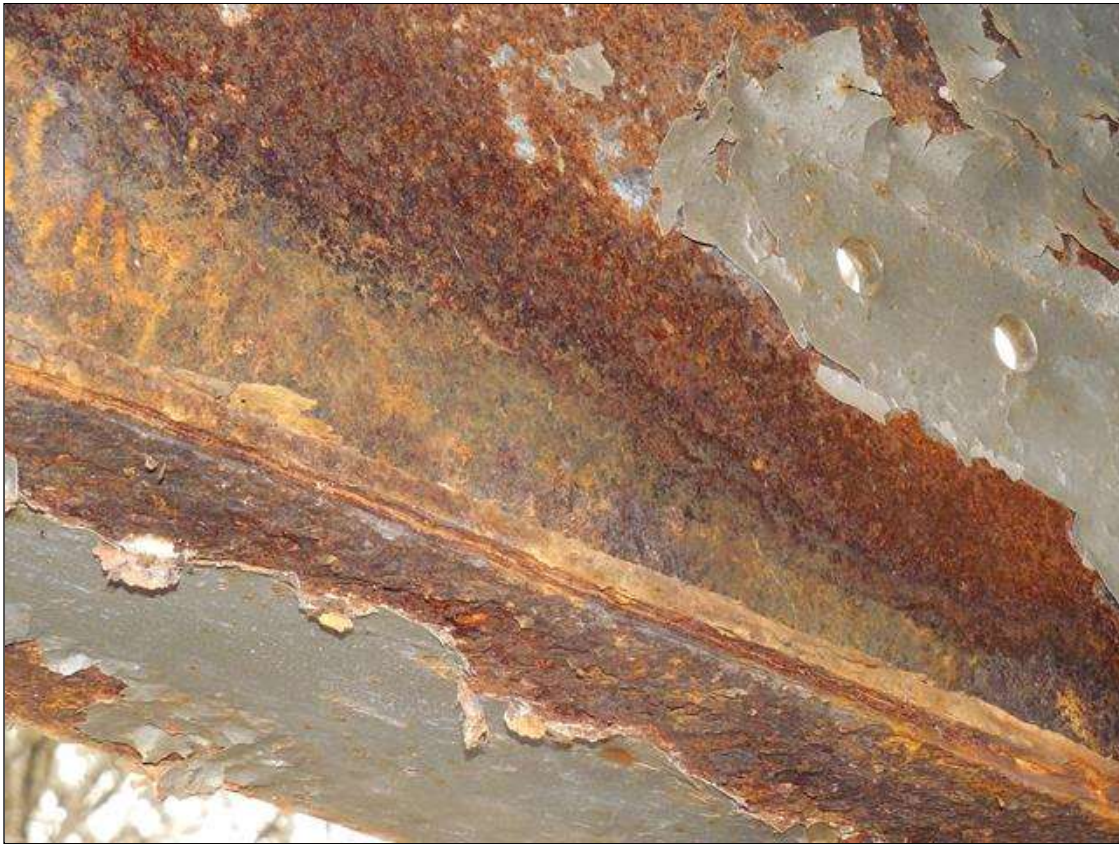
Span 5 Beam 5: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END



Span 5 Beam 4: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END



Span 5 Beam 2: 3 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
RUST AND SCALING AT BENT 5 END



Span 5 Beam 1: 5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
RUST AND SCALING AT BENT 5 END



Span 6 Beam 4: 6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST AND SCALING AT BENT 5 END



END BENT 2 PILES 3, 5, AND 6 ENCASED IN CONCRETE (PHOTO # 5979)



Span 6 Beam 9: 6 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
RUST AND SCALING IN BOTTOM FLANGE AT 10' FROM END BENT 2



Span 6 Beam 10: 8 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
RUST AND SCALING IN BOTTOM FLANGE AT MID SPAN



LOOKING EAST (MAXWELL ROAD)



NORTH PROFILE



BENT 1



END BENT 1



BEAM 9 BEARING AT END BENT 1, ALL BEARINGS ARE SIMILAR



SPAN 2 SUPERSTRUCTURE



BENT 2



UPSTREAM NORTH



DOWNSTREAM SOUTH



SOUTH PROFILE



UPSTREAM NORTH



DOWNSTREAM SOUTH



LOOKING WEST



BENT 3



BENT 4



BENT 5



NORTH END OF BENT 5 CAP



END BENT 2

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

Run Date: 06/25/2015

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	250052		SUFFICIENCY RATING =	19.19
(8) STRUCTURE NUMBER(FEDERAL)		00000000510052		STATUS =	Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON		31010060			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2		CLASSIFICATION	CODE
(3) COUNTY CODE 51 (4) PLACE CODE		0		(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - SOUTH RIVER				(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED SR1006				(26) FUNCTIONAL CLASS - Major Collector	07
(9) LOCATION 0.2 MI.E. OF JCT.SR1818				(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 35° 5' 7.07" (17)LONG 78° 40' 20.26"				(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE	PCT SHARE			(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0
				(20) TOLL On Free Road	3
				(31) MAINTAIN - State Highway Agency	01
				(22) OWNER - State Highway Agency	01
				(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
STRUCTURE TYPE AND MATERIAL					
(43) STRUCTURE TYPE MAIN: Steel					
TYPE - Stringer Mutlibeam or Girder		CODE 302			
(44) STRUCTURE TYPE APPR :				CONDITION	CODE
TYPE -		CODE 000		(58) DECK	5
(45) NUMBER OF SPANS IN MAIN UNIT		6		(59) SUPERSTRUCTURE	4
(46) NUMBER OF APPROACH SPANS				(60) SUBSTRUCTURE	3
(107)DECK STRUCTURE TYPE - 6		CODE		(61) CHANNEL & CHANNEL PROTECTION	5
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(62) CULVERTS	N
(A) TYPE OF WEARING SURFACE -		CODE			
(B) TYPE OF MEMBRANE -		CODE		LOAD RATING AND POSTING	CODE
(C) TYPE OF DECK PROTECTION -		CODE		(31) DESIGN LOAD Unknown	0
				(63) OPERATING RATING METHOD - Load Factor	1
				(64) OPERATING RATING - HS-1	1
				(65) INVENTORY RATING METHOD - Load Factor	1
				(66) INVENTORY RATING - HS-1	1
				(70) BRIDGE POSTING - No Posting Required	5
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED	D
				DESCRIPTION - Open Temporary Shoring	
AGE AND SERVICE					
(27) YEAR BUILT		1973		APPRAISAL	CODE
(106)YEAR RECONSTRUCTED				(67) STRUCTURAL EVALUATION	3
(42) TYPE OF SERVICE : ON - Highway				(68) DECK GEOMETRY	4
UNDER - Waterway		CODE 15		(69) UNDERCLEARANCES,VERTI & HORIZ	N
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0		(71) WATERWAY ADEQUACY	7
(29) AVERAGE DAILY TRAFFIC		2500		(72) APPROACH ROADWAY ALIGNMENT	8
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT		7%		(36) TRAFFIC SAFETY FEATURES	0000
(19) BYPASS OR DETOUR LENGTH		11 MI		(113)SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN		35 FT		PROPOSED IMPROVEMENTS	
(49) STRUCTURE LENGTH		211 FT		(75) TYPE OF WORK -	CODE
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT		0 FT		(76) LENGTH OF STRUCTURE IMPROVEMENT	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		28 FT		(94) BRIDGE IMPROVEMENT COST	
(52) DECK WIDTH OUT TO OUT		28 FT		(95) ROADWAY IMPROVEMENT COST	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		22 FT		(96) TOTAL PROJECT COST	
(33) BRIDGE MEDIAN - No Median		CODE 0		(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(34) SKEW 0° (35) STRUCTURE FLARED		0		(114)FUTURE ADT 5000 (115) YEAR FUTURE ADT 2025	
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		28 FT		INSPECTIONS	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(90) INSPECTION DATE	03/19/2015
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		A) FRACTURE CRIT DETAIL - NO	A)
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		B) UNDERWATER INSP - YES 48Mo	B) 03/19/2013
				C) OTHER SPECIAL INSP NO	C)
				SCOUR	
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			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/25/2015

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
CUMBERLAND	6	2	250052	211	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1006	SOUTH RIVER

LOCATED :	BRIDGE NAME :	CITY :
0.2 MI.E. OF JCT.SR1818		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	2500 2012	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1973	BMU	5.4451		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		22 FT		11		FT

SUPERSTRUCTURE :	STEEL PLANK FLOOR ON I-BEAMS
------------------	------------------------------

SUBSTRUCTURE :	EBTS&IBTS:TIM.CAP&SUB-CAP/TIM.PILES @ VARIOUS CTS.
----------------	--

SPANS :	1@35'4;4@35'1;1@35'4
---------	----------------------

BEAMS OR GIRDERS :	10 LINES OF 21 I-BMS @ VAR.CTS.
--------------------	---------------------------------

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
STL.PLK/2 AWS		28 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
28 FT	28 FT	LT 0 FT RT 0 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		DATE
HS-1	HS-1	int.bm	SV	TTST	06/12/2013

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

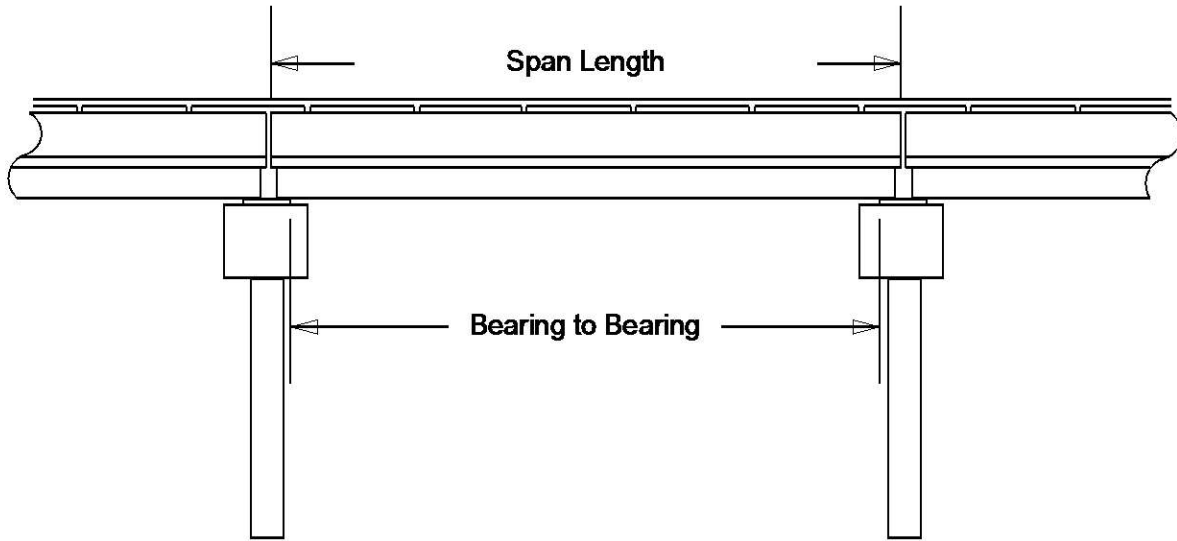
UNDER ROUTES AND CLEARANCES

REMARKS :

Structure Data Worksheet

Spans

County: CUMBERLAND Structure No: 250052 Date: _____ Inspected By: RDH



Span No	Span Length	Bearing to Bearing	Comments
1	35.333 FT.	34.667 ft.	NBIS 118.581 FT.
2	35.083 ft.	34.667 ft.	
3	35.083 ft.	34.667 ft.	
4	35.083 ft.	34.667 ft.	
5	35.083 ft.	34.667 ft.	
6	35.333 ft.	34.667 ft.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 250052 County: CUMBERLAND Date: _____ By: RDH

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
0	2.2	TOP OF BULKHEAD			
1	4.6	Top of Cap			
2	9.1	GROUND AT CAP	2	8.7	GROUND AT CAP
15	11.3				
22	12.1	WSWE (SOUTH)			
35	13.9	BENT 1	35	13.3	BENT 1
60	22.4				
70	24	BENT 2	70	23.4	BENT 2
90	24.2				
105	14.9	BENT 3	105	23	BENT 3
118	12.1	WSWE			
120	11				
140	11.8	BENT 4	140	11.9	BENT 4
157	11				
175	11.4	BENT 5	175	11.4	BENT 5
190	10.7				
210	9.5	GROUND AT CAP	210	9.9	GROUND AT CAP
211	4.6	Top of Cap			
211.5	2.2	TOP OF BULKHEAD			

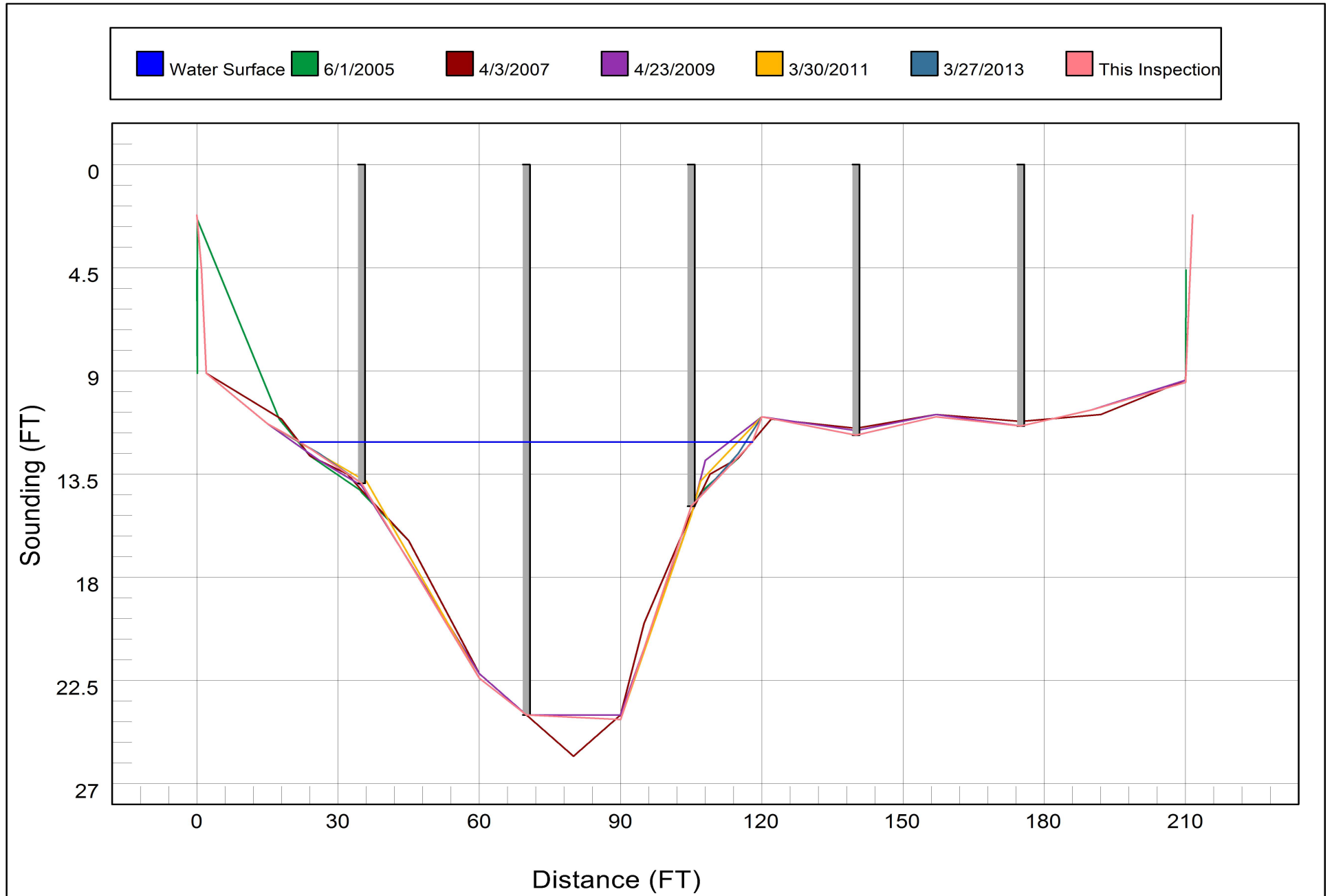
Bridge: 250052

County CUMBERLAND

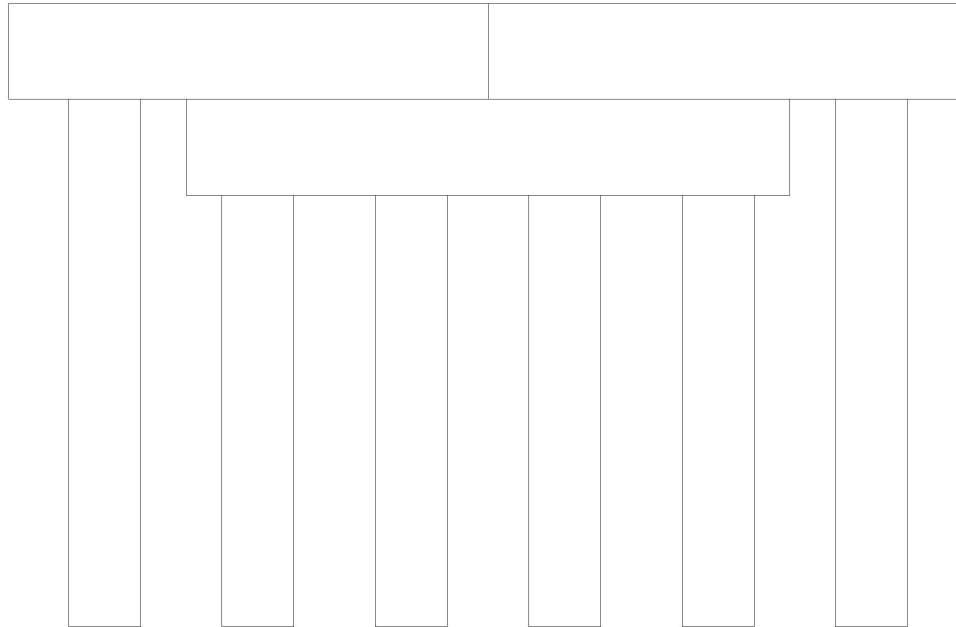
Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



THERE IS TIMBER CROSSBRACING AT BT2

ext piles at bent 2 battered

Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	30ft Long	1.01ft Wide	0.969ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.67ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.67ft
Timber Sub Cap			
Size	19.25ft Long	0.979ft Wide	0.854ft High
Left pile to splice	2.5ft		
Left Overhang	1.67ft		
Right Overhang	1.58ft		

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

MEASUREMENTS VERIFIED BY RLK 3/30/11
 MEASUREMENTS VERIFIED BY RLK 3/27/13
 MEASUREMENTS VERIFIED BY RLK 3/19/15

PILES 3,5,6 ENCASED IN CONCRETE

Title

SUBSTRUCTURE

Description

SIMILAR EBT1 AND BT2

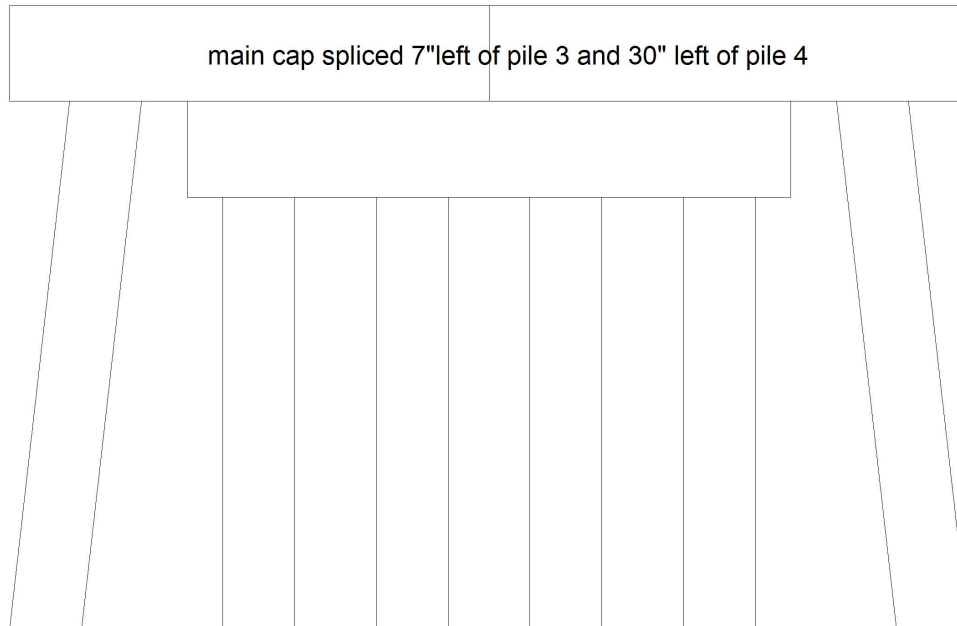
Bridge No: 250052

Drawn By: MSW

Date: 05/26/2005

File Name: S0098000127

Bridge Inspection Field Sketch



THERE IS CROSSBRACING AT ALL INT. BENTS

concrete collar on pile 6

Bent #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	30ft Long	1.01ft Wide	0.969ft High
Left Overhang	1.5 FT.	Lt Cap/Beam Overhang	1.5ft
Right Overhang	1.5 FT.	Rt Cap/Beam Overhang	1.67ft
Timber Sub Cap			
Size	20ft Long	0.979ft Wide	0.854ft High
Left pile to splice			
Left Overhang	2ft		
Right Overhang	2ft		

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

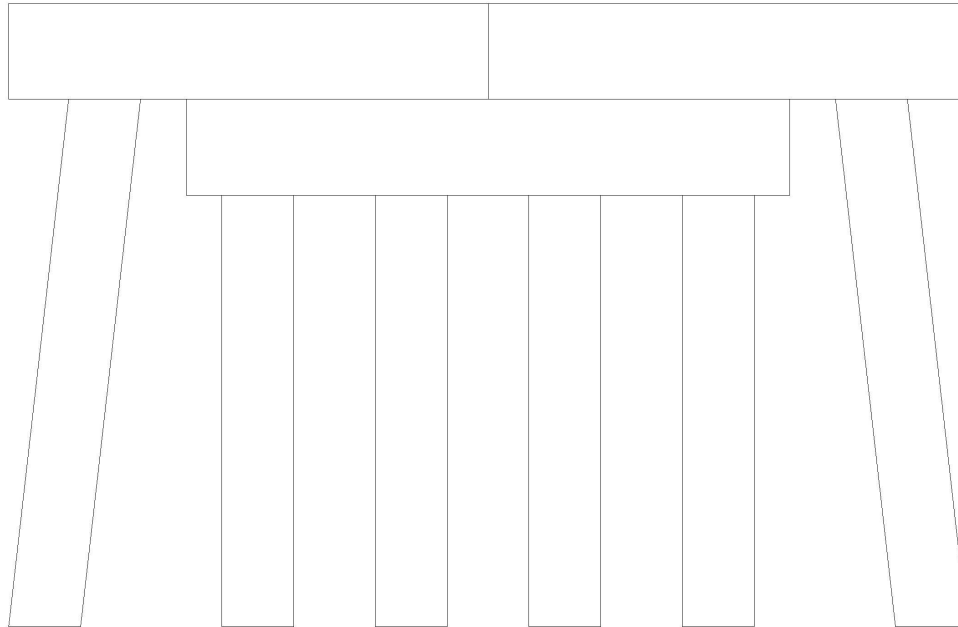
MEASUREMENTS VERIFIED BY RLK 3/30/11

MEASUREMENTS VERIFIED BY RLK 3/27/13

MEASUREMENTS VERIFIED BY RLK 3/19/15

Title		Description	
SUBSTRUCTURE 1		BENT 1	
Bridge No:	250052	Drawn By: MSW	Date: 05/26/2005
		File Name: S0098000128	

Bridge Inspection Field Sketch



THERE IS TIMBER CROSSBRACING AT ALL INT. BENTS

Bent #	3		
Cap - Beam Type (Wood or Steel)			
Cap Size	30ft Long	1.01ft Wide	0.969ft High
Left Overhang	1.5 FT.	Lt Cap/Beam Overhang	1.67ft
Right Overhang	1.5 FT.	Rt Cap/Beam Overhang	1.67ft
Timber Sub Cap			
Size	19.4167ft Long	0.979ft Wide	0.854ft High
Left pile to splice	3.58ft		
Left Overhang	1.67ft		
Right Overhang	1.75ft		

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

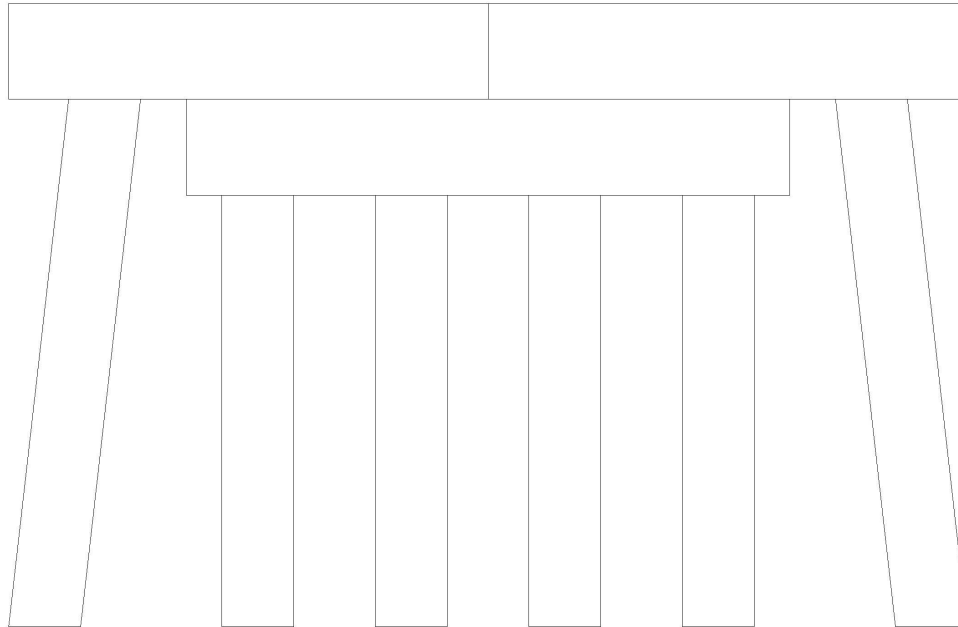
MEASUREMENTS VERIFIED BY RLK 3/30/11

MEASUREMENTS VERIFIED BY RLK 3/27/13

MEASUREMENTS VERIFIED BY RLK 3/19/15

Title		Description	
SUBSTRUCTURE 3		BENT 3	
Bridge No:	250052	Drawn By:	MSW
Date:	05/26/2005	File Name:	S0098000129

Bridge Inspection Field Sketch



THERE IS TIMBER CROSSBRACING AT ALL INT. BENTS concrete collar at pile 5 bent 4, AND PILE 6 AT BENT 5

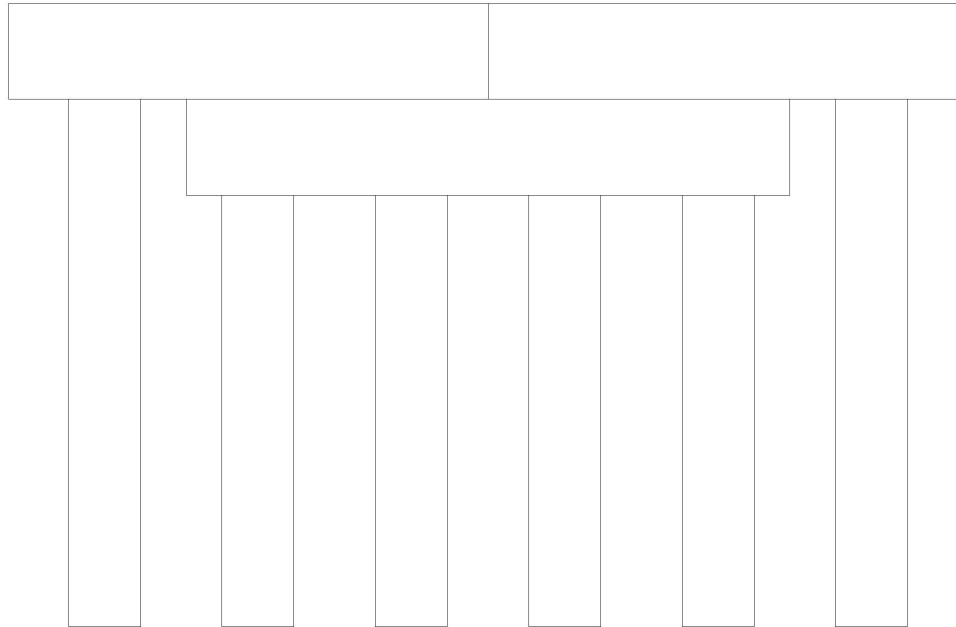
Bent #	4	Bents 5 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	30ft Long	1.01ft Wide	0.969ft High
Left Overhang	1.5 FT.	Lt Cap/Beam Overhang	1.67ft
Right Overhang	1.5 FT.	Rt Cap/Beam Overhang	1.67ft
Timber Sub Cap			
Size	19ft Long	0.979ft Wide	0.854ft High
Left pile to splice	1.417ft		
Left Overhang	1.58ft		
Right Overhang	1.47ft		

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

MEASUREMENTS VERIFIED BY RLK 3/30/11
 MEASUREMENTS VERIFIED BY RLK 3/27/13
 MEASUREMENTS VERIFIED BY RLK 3/19/15

Title		Description	
SUBSTRUCTURE 4		SIM. BENTS 4 & 5	
Bridge No:	250052	Drawn By:	MSW
Date:	05/26/2005	File Name:	S0098000130

Bridge Inspection Field Sketch



PILES 3,5,6 ENCASED IN CONCRETE

Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	30ft Long	1.01ft Wide	0.969ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.67ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.67ft
Timber Sub Cap			
Size	19.83ft Long	0.979ft Wide	0.854ft High
Left pile to splice	3.5ft		
Left Overhang	2.083ft		
Right Overhang	1.75ft		

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

MEASUREMENTS VERIFIED BY RLK 3/30/11

MEASUREMENTS VERIFIED BY RLK 3/27/13

MEASUREMENTS VERIFIED BY RLK 3/19/15

Title		Description	
SUBSTRUCTURE 2		END BENT 2	
Bridge No: 250052	Drawn By: MSW	Date: 05/26/2005	File Name: S0098000131

Bridge Inspection Field Sketch



SR-1006 (MAXWELL ROAD)

Roadway	22ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY RLK 3/30/11
MEASUREMENTS VERIFIED BY RLK 3/27/13
MEASUREMENTS VERIFIED BY RLK 3/19/15

Title

APPROACH ROADWAY

Description

LOOKING EAST

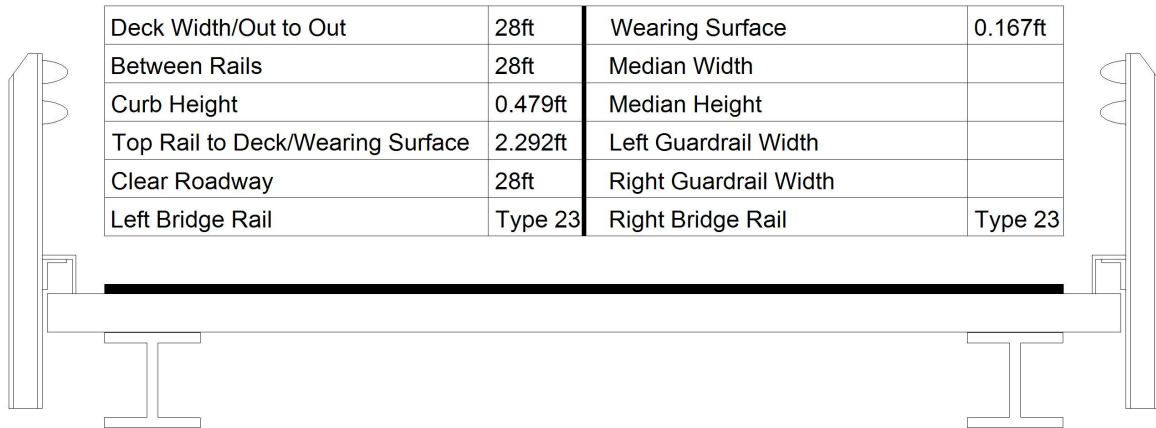
Bridge No: 250052

Drawn By:

Date: 05/26/2005

File Name: S0098000132

Bridge Inspection Field Sketch



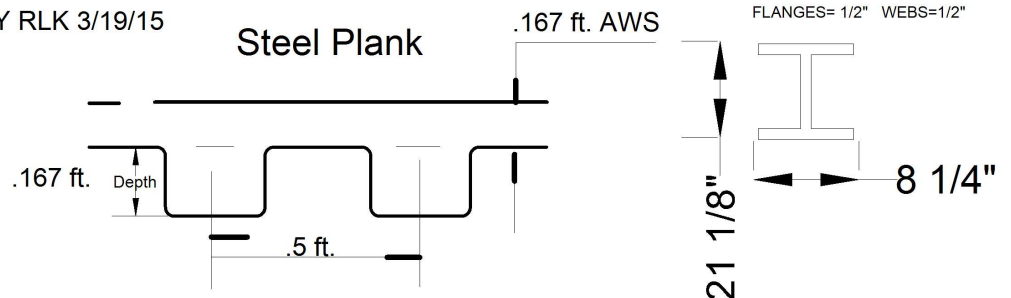
Measurements for Span #	1	Spans 2 thru 6 are same	
Deck Thickness	0.167	Left Overhang	0.625
Top of Rail to Bottom of Beam	4.625	Right Overhang	0.604

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.968ft	
2	Steel I Beam	2.968ft	
3	Steel I Beam	2.979ft	
4	Steel I Beam	2.968ft	
5	Steel I Beam	2.989ft	
6	Steel I Beam	2.979ft	
7	Steel I Beam	2.979ft	
8	Steel I Beam	2.979ft	
9	Steel I Beam	2.958ft	
10	Steel I Beam		

MEASUREMENTS VERIFIED BY RLK 3/30/11

MEASUREMENTS VERIFIED BY RLK 3/27/13

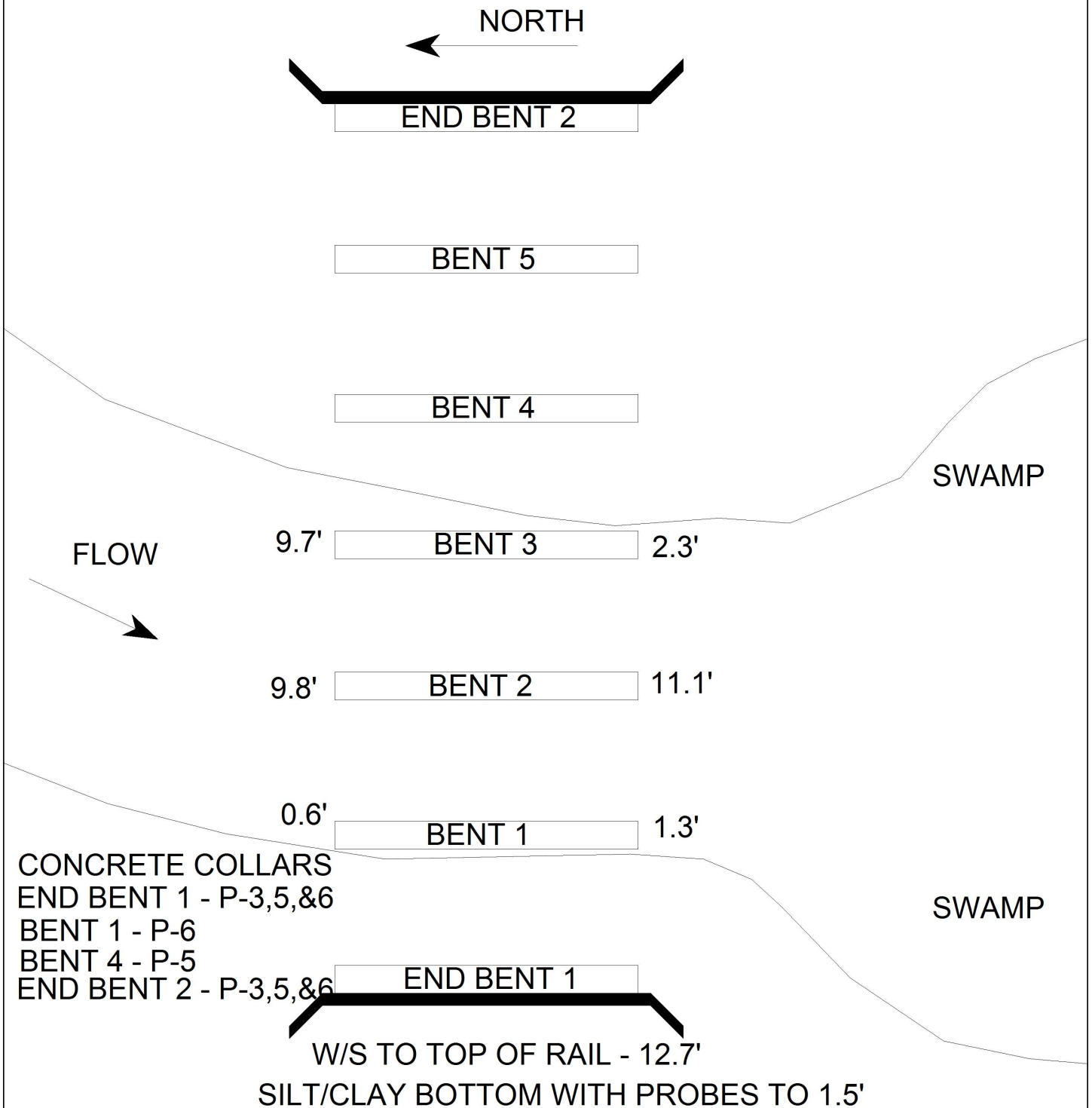
MEASUREMENTS VERIFIED BY RLK 3/19/15



INT. DIAPS. AT 1/2 POINT IN ALL SPANS

Title		Description	
SUPERSTRUCTURE		SIMILAR SECTION	
Bridge No: 250052	Drawn By: MW	Date: 05/26/2005	File Name: S0098000133

Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
CHANNEL OVERVIEW

Bridge No: 250052

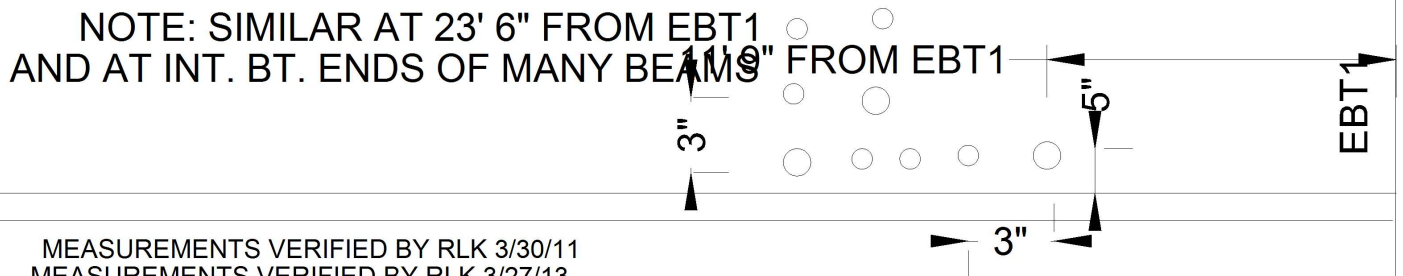
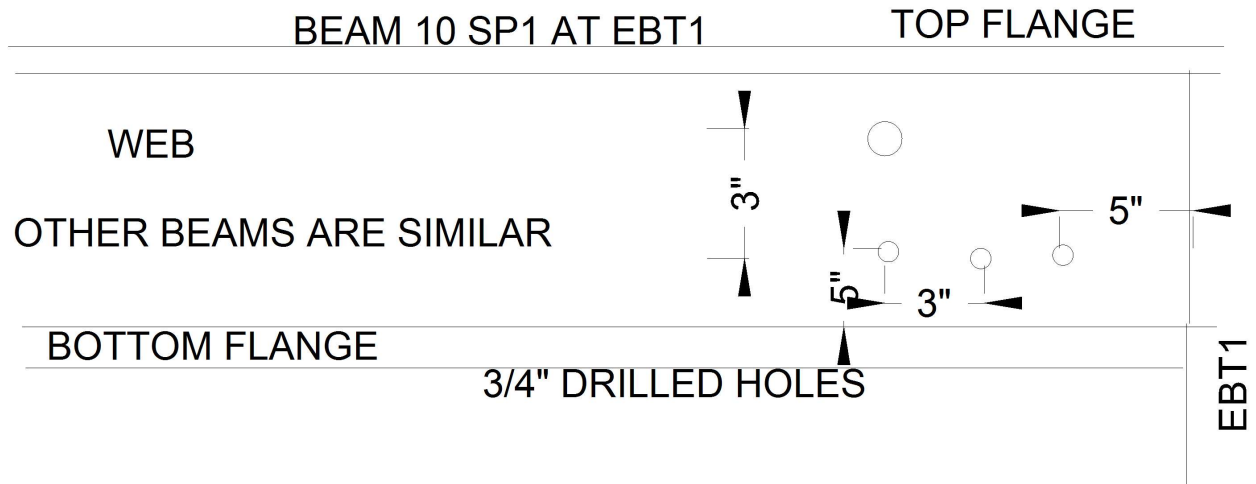
Drawn By: WRM

Date: 3/30/2009

File Name: S0174012517

Bridge Inspection Field Sketch

ALL BEAMS ARE RECYCLED, AND SIMILAR



MEASUREMENTS VERIFIED BY RLK 3/30/11
MEASUREMENTS VERIFIED BY RLK 3/27/13
MEASUREMENTS VERIFIED BY RLK 3/19/15

Title
BEAM HOLES

Description
BEAM HOLES

Bridge No: 250052

Drawn By: RLK

Date: 3/30/2011

File Name: S0098001160