



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PM ISSUED , SHORED STRUCTURE, TEMPORARY
REPAIRS, STRUCTURE DATA CHANGES**

Structure Safety Report

Routine Element Inspection

COUNTY: ROBESON STRUCTURE NUMBER: 770028 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC83 MILE POST:

LOCATION: 0.5 MI.S.JCT. SR1101

FEATURE INTERSECTED: LEACH CREEK

LATITUDE: 34° 37' 31.49" LONGITUDE: 79° 26' 24.42"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR/CONT.I-BEAMS

SUBSTRUCTURE: E.BTS&BTS:RC CAPS/TIMBER PILES;BTS:TIM.CRUTCH

SPANS: 1@ 21";4@ 20";1@ 21"; 2 SPAN CONTINUOUS

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

PRESENT CONDITION: Poor INSPECTION DATE: 04/13/2015

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING NORTH

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

INSPECTED BY
R.D. HEATH

SIGNATURE

R.D. Heath

ASSISTED BY R.L. KISNER

BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES

BRIDGE # 77028 COUNTY Robeson DATE 3-16-01

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

		CODE	BY
SI & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION		<u>T</u>	<u>JRT</u>
SI & A ITEM 59 - SUPERSTRUCTURE		<u>4</u>	<u>JRT</u>
SI & A ITEM 60 - SUBSTRUCTURE		<u>101</u>	<u>ADR</u>
SI & A ITEM 64 - OPERATING RATING	HS <u>0.0</u> BY <u>S. Lee</u>	<u>101</u>	<u>ADR</u>
SI & A ITEM 66 - INVENTORY RATING	HS <u>0.0</u> BY <u>S. Lee</u>	<u>101</u>	<u>ADR</u>

COMMENTS:

Added Cross cap e Bent #1, #2, #3, #4
NOT TEMP - TMS 08/26/15

Span Element Report

Structure Number: 770028

Inspection Date: 04/13/2015

Span Number 1

Span Length 21 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	618	128	90	400	0	490	3326
107		Steel Open Girder/Beam	147	147	0	0	0	0	3314
515	107	Steel Protective Coating	679	679	0	0	0	0	3342
216		Timber Abutment	38	35	3	0	0	3	3346
228		Timber Pile	8	8	0	0	0	0	3344
234		Reinforced Concrete Pier Cap	32	32	0	0	0	0	3348
235		Timber Pier Cap	8	8	0	0	0	0	3344
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	42	42	0	0	0	0	3318

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

Span Number 2

Span Length 20 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	589	0	100	489	0	589	3326
107		Steel Open Girder/Beam	140	139	0	1	0	1	3314
515	107	Steel Protective Coating	637	637	0	0	0	0	3342
225		Steel Pile	2	2	0	0	0	0	3354
515	225	Steel Protective Coating	50	50	0	0	0	0	3342
228		Timber Pile	11	10	1	0	0	1	3344
231		Steel Pier Cap	6	6	0	0	0	0	3354
515	231	Steel Protective Coating	20	20	0	0	0	0	3342
234		Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348
235		Timber Pier Cap	14	14	0	0	0	0	3344
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318

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

Span Number 3

Span Length 20 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	589	500	60	29	0	89	3326
107		Steel Open Girder/Beam	140	132	7	1	0	8	3314
515	107	Steel Protective Coating	637	637	0	0	0	0	3342
228		Timber Pile	7	7	0	0	0	0	3344
234		Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348
235		Timber Pier Cap	4	4	0	0	0	0	3344
301		Pourable Joint Seal	30	30	0	0	0	0	3310
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318

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

Span Number 4

Span Length 20 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	589	454	60	75	0	135	3326
107		Steel Open Girder/Beam	140	140	0	0	0	0	3314
515	107	Steel Protective Coating	637	637	0	0	0	0	3342
228		Timber Pile	9	9	0	0	0	0	3344
234		Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348
235		Timber Pier Cap	8	8	0	0	0	0	3344
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318

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

Span Number 5

Span Length 20 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	589	114	75	400	0	475	3326
107		Steel Open Girder/Beam	140	140	0	0	0	0	3314
515	107	Steel Protective Coating	637	637	0	0	0	0	3342
206		Timber Column	1	1	0	0	0	0	3344
228		Timber Pile	4	3	1	0	0	1	3344
234		Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348
301		Pourable Joint Seal	30	0	0	30	0	30	3310
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	40	40	0	0	0	0	3318

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

Span Number 6

Span Length 21 Feet

Number of Beams/Girders: 7

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	618	15	100	503	0	603	3326
107		Steel Open Girder/Beam	147	144	3	0	0	3	3314
515	107	Steel Protective Coating	672	672	0	0	0	0	3342
206		Timber Column	1	1	0	0	0	0	3344
216		Timber Abutment	38	37	1	0	0	0	3346
228		Timber Pile	8	8	0	0	0	0	3344
234		Reinforced Concrete Pier Cap	61	61	0	0	0	0	3348
316		Other Bearings	14	14	0	0	0	0	3334
515	316	Steel Protective Coating	14	14	0	0	0	0	3342
331		Reinforced Concrete Bridge Railing	42	42	0	0	0	0	3318

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

Superstructure Detailed Element Quantities

Structure Number: 770028

Inspection Date: 04/13/2015

Structure Number: 770028

Inspection Date: 04/13/2015

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	12	Reinforced Concrete Deck	618	128	90	400	0	490	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	21	21	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	21	21	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	97	97	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	
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	12	Reinforced Concrete Deck	589	0	100	489	0	589	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	20	19	0	1	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	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	
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	12	Reinforced Concrete Deck	589	500	60	29	0	89	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	20	19	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	20	18	1	1	0	2	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	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	
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	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	
☒ Expansion Joints	1	301	Pourable Joint Seal	30	30	0	0	0	0	3310	☐ Requested

Structure Number: 770028

Inspection Date: 04/13/2015

Span Number 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	589	454	60	75	0	135	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	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	
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	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	

Structure Number: 770028

Inspection Date: 04/13/2015

Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	589	114	75	400	0	475	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	20	20	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	20	20	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	91	91	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	
☒ 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	

Structure Number: 770028

Inspection Date: 04/13/2015

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	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	
☒ Expansion Joints	1	301	Pourable Joint Seal	30	0	0	30	0	30	3310	☐ Requested

Structure Number: 770028

Inspection Date: 04/13/2015

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
☒ Deck	1	12	Reinforced Concrete Deck	618	15	100	503	0	603	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	21	21	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	21	21	0	0	0	0	3318	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	21	20	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	2	107	Steel Open Girder/Beam	21	20	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	3	107	Steel Open Girder/Beam	21	20	1	0	0	1	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	4	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	5	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	6	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	0	0	0	0	3342	
☒ Beam	7	107	Steel Open Girder/Beam	21	21	0	0	0	0	3314	☐ Requested
Protective System		515	Steel Protective Coating	96	96	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	
☒ 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	

Structure Number: 770028
Span Number 6

Inspection Date: 04/13/2015

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	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	

Superstructure Element Defect Descriptions

Structure Number: 770028

Inspection Date: 04/13/2015

Span Number 1

Span 1	Deck	1	Component Name:				Reinforced Concrete Deck					
Element: 12	Name	Reinforced Concrete Deck	Qty:	618	Lvl 2:	90	Lvl 3	400	Lvl 4	0	Maint. Qty	490
Defect Description:												

60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN NORTH BOUND LANE

30 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN SOUTH BOUND LANE

400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING

Span Number 2

Span 2	Deck	1	Component Name:				Reinforced Concrete Deck					
Element: 12	Name	Reinforced Concrete Deck	Qty:	589	Lvl 2:	100	Lvl 3	489	Lvl 4	0	Maint. Qty	589
Defect Description:												

20 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN SOUTH BOUND LANE

450 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING IN BOTH LANES

80 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE

39 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING IN SOUTH BOUND LANE

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

1 Foot of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST HOLE 1/2" DIAMETER IN WEB 4 1/2" FROM BEAM END AND UP 1" FROM BOTTOM FLANGE OVER BENT 2 CAP

Span Number 3

Span 3	Deck	1	Component Name:		Reinforced Concrete Deck							
Element: 12	Name	Reinforced Concrete Deck	Qty:	589	Lvl 2:	60	Lvl 3	29	Lvl 4	0	Maint. Qty	89
Defect Description:												

4 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL IN NORTH BOUND LANE AT BENT 2

60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE

20 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL 20 SQ. FT. WITH EXPOSED REBAR IN SOUTH BOUND LANE PM ISSUED

5 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL 5 SQ. FT. IN SOUTH BOUND LANE WITH EXPOSED REBAR PM ISSUED

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP. ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

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

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR

1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. BEAM 7 AT BENT 3 HAS RUST HOLE 2" DIAMETER IN WEB 4" FROM BEAM END UP 1" FROM BOTTOM FLANGE, NOTE: LAST INSPECTION HOLE WAS 1/4" DIAMETER SEE SKETCH

Span Number 4

Span 4	Deck 1	Component Name: Reinforced Concrete Deck										
Element: 12	Name Reinforced Concrete Deck	Qty: 589	Lvl 2: 60	Lvl 3 75	Lvl 4 0	Maint. Qty 135						
Defect Description:												

50 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING IN SOUTH BOUND LANE

25 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL WITH EXPOSED REBAR IN SOUTH BOUND LANE PM ISSUED

60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE

Span Number 5

Structure Number: 770028

Inspection Date: 04/13/2015

Span 5	Deck	1	Component Name:	Reinforced Concrete Deck				
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Element: 12 Name Reinforced Concrete Deck Qty: 589 Lvl 2: 75 Lvl 3: 400 Lvl 4: 0 Maint. Qty 475

Defect Description:

60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE

15 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHES IN SOUTH BOUND LANE

400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING IN BOTH LANES

Span 5	Expansion Joints	1	Component Name:	Standard Joint				
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Element: 301 Name Pourable Joint Seal Qty: 30 Lvl 2: 0 Lvl 3: 30 Lvl 4: 0 Maint. Qty 30

Defect Description:

30 Feet of Seal Damage: Punctured or ripped or partially pulled out. JOINT MATERIAL DETERIORATED, MISSING, LEAKING

Span Number 6

Span 6	Deck	1	Component Name:	Reinforced Concrete Deck				
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Element: 12 Name Reinforced Concrete Deck Qty: 618 Lvl 2: 100 Lvl 3: 503 Lvl 4: 0 Maint. Qty 603

Defect Description:

500 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. HAIRLINE MAP CRACKING IN BOTH LANES

40 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN SOUTH BOUND LANE

60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE

3 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL WITH EXPOSED REBAR 3 SQ. FT. AT END BENT 2 IN NORTH BOUND LANE PM ISSUED

Span 6	Beam	1	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 21 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. 1 1/4" DRILLED HOLE IN WEB 7" FROM CENTERLINE OF BEARING AT BENT 5 AND UP 3 1/2" FROM BOTTOM FLANGE, BEAMS 2 AND 3 ARE SIMILAR

Span 6	Beam	2	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 21 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. 1 1/4" DRILLED HOLE IN WEB 7" FROM CENTERLINE OF BEARING AT BENT 5 AND UP 3 1/2" FROM BOTTOM FLANGE, BEAMS 2 AND 3 ARE SIMILAR

Span 6	Beam	3	Component Name:	Plate Girder				
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Element: 107 Name Steel Open Girder/Beam Qty: 21 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. 1 1/4" DRILLED HOLE IN WEB 7" FROM CENTERLINE OF BEARING AT BENT 5 AND UP 3 1/2" FROM BOTTOM FLANGE, BEAMS 2 AND 3 ARE SIMILAR

Substructure Detailed Element Quantities

Structure Number: 770028

Inspection Date: 04/13/2015

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	35	3	0	0	3	3346	☐ Requested
☒ Caps	1	234	Reinforced Concrete Pier Cap	32	32	0	0	0	0	3348	☐ 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

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	235	Timber Pier Cap	4	4	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

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	235	Timber Pier Cap	4	4	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

Structure Number: 770028

Inspection Date: 04/13/2015

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	234	Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348	☐ 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

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	235	Timber Pier Cap	4	4	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

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	235	Timber Pier Cap	4	4	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

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	6	6	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	20	20	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	25	25	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	25	25	0	0	0	0	3342	☐ Requested

Structure Number: 770028

Inspection Date: 04/13/2015

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	235	Timber Pier Cap	6	6	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

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348	☐ 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

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	235	Timber Pier Cap	4	4	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

Bent 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348	☐ 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

Structure Number: 770028

Inspection Date: 04/13/2015

Span 4 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	235	Timber Pier Cap	4	4	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

Span 4 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	235	Timber Pier Cap	4	4	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

Bent 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	2	206	Timber Column	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 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	234	Reinforced Concrete Pier Cap	29	29	0	0	0	0	3348	☐ 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

Structure Number: 770028

Inspection Date: 04/13/2015

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	37	1	0	0	0	3346	☐ Requested
☒ Caps	1	234	Reinforced Concrete Pier Cap	32	32	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	206	Timber Column	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

Substructure Element Defect Descriptions

Structure Number: 770028

Inspection Date: 04/13/2015

End Bent 1

End Bent 1	Row 1	Abutments	1
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Element: 216 Name Timber Abutment Qty: 38 Lvl 2: 3 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 3

Defect Description:

3 Feet of Decay/Section Loss: Affects less than 10% of the member section DECAYED BULKHEAD BOARD AT SOUTHWEST CORNER

End Bent 1	Row 1	Piles and Columns	1
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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 1, 2, AND 4 ENCASED AT END BENT 1 TEMPORARY REPAIR (PHOTO # 6520)

End Bent 1	Row 1	Piles and Columns	2
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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 1, 2, AND 4 ENCASED AT END BENT 1 TEMPORARY REPAIR (PHOTO # 6520)

End Bent 1	Row 1	Piles and Columns	4
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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 1, 2, AND 4 ENCASED AT END BENT 1 TEMPORARY REPAIR (PHOTO # 6520)

Span 1 Crutch Bent	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 4 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

TIMBER CRUTCH EAST OF PILE 1 AT BENT 1 SHORED STRUCTURE (PHOTO # 6523)

Span 1 Crutch Bent	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 4 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

TIMBER CRUTCH WEST OF PILE 3 AT BENT 1 SHORED STRUCTURE (PHOTO # 6524)

Bent 1	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 2' HIGH X 10" WIDE X 2" DEEP ON WEST FACE

Span 2 Crutch Bent	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 4 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

TIMBER CRUTCH EAST OF PILE 1 AT BENT 2 , SHORED STRUCTURE (PHOTO # 6528)

Span 2 Crutch Bent	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 4 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

TIMBER CRUTCH WEST OF PILE 2 AT BENT 2 , SHORED STRUCTURE (PHOTO # 6529)

Span 2 Crutch Bent	Row 1	Caps	1
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Element: 231 Name Steel Pier Cap Qty: 6 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

STEEL CRUTCH EAST OF PILE 4 AT BENT 2, SHORED STRUCTURE (PHOTO # 6530)

Span 2	Row 1	Caps	1							
Crutch Bent										
Element: 235	Name	Timber Pier Cap	Qty:	6	Lvl 2:	0	Lvl 3	0	Lvl 4	0 Maint. Qty 0
Defect Description:										

TIMBER CRUTCH WEST OF PILE 4 AT BENT 2, SHORED STRUCTURE (PHOTO # 6531)

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

TIMBER CRUTCH EAST OF PILE 1 AT BENT 3, SHORED STRUCTURE (PHOTO # 6533)

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

TIMBER CRUTCH WEST OF PILE 2 AT BENT 4 , SHORED STRUCTURE (PHOTO # 6535)

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

TIMBER CRUTCH EAST OF PILE 4 BENT 4, SHORED STRUCTURE (PHOTO # 6536)

Bent 4	Row 1	Piles and Columns	1							
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 14" HIGH X 8" WIDE X 2" DEEP ON WEST FACE

End Bent 2	Row 1	Abutments	1							
Element: 216	Name	Timber Abutment	Qty:	38	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 0
Defect Description:										

1 Feet of Check/Shake: Penetrates 5%-50% of the thickness of teh member and not in a tension zone. TURNPILE AT NORTHEAST CORNER HAS 1/8" WIDE VERTICAL CHECKS, 1" DEEP

End Bent 2	Row 1	Piles and Columns	1							
Element: 206	Name	Timber Column	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0 Maint. Qty 0
Defect Description:										

PILES 1 AND 2 ENCASED AT END BENT 2, TEMPORARY REPAIRS (PHOTO # 6577)

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

PILES 1 AND 2 ENCASED AT END BENT 2, TEMPORARY REPAIRS (PHOTO # 6577)

National Bridge and NC Inspection Items

Structure Number: 770028

Inspection Date: 04/13/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	5
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	F	4	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	G		
Estimated Remaining Life	0 - 100 Years	8		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 770028

Inspection Date: 04/13/2015

Item	Deck - Item 58	Grade	4	Maint Code	Qty.	0
Details	PATCHED CRACKS, HAIRLINE MAP CRACKING AND SURFACE SPALLS WITH EXPOSED REBAR , PM'S ISSUED ON SPALLS WITH EXPOSED REBAR					
Item	Approach Roadway Alignment - Item 72	Grade	8	Maint Code	Qty.	0
Details	1/8" WIDE TRANSVERSE CRACK WITH 1/2" SETTLEMENT IN SOUTH APPROACH IN THE SOUTH BOUND LANE (PHOTO # 6545)					
	NORTH APPROACH ASPHALT WEARING SURFACE 1/8" TRANSVERSE CRACK OVER END BENT 2					
Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
Details	PM ISSUED ON SPANS 3, 4, AND 6 DECK SURFACE SPALLS WITH EXPOSED REBAR					
Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
Details	BOOTS					
Item	Wingwalls	Grade	F	Maint Code	3350	Qty. 4
Details	FULLY DECAYED WINGWALL PILE AT SOUTHWEST CORNER (PHOTO # 6518)					
	DECAYED WINGWALL PILE AT NORTHWEST CORNER, 2 FT.					
	1/4" WIDE VERTICAL CHECKS , 1" DEEP IN WINGWALL PILE AT NORTHEAST CORNER (PHOTO # 6584)					



FULLY DECAYED WINGWALL PILE AT SOUTHWEST CORNER (PHOTO # 6518)



PILES 1, 2, AND 4 ENCASED AT END BENT 1 TEMPORARY REPAIR (PHOTO # 6520)



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



TIMBER CRUTCH EAST OF PILE 1 AT BENT 1 SHORED STRUCTURE (PHOTO # 6523)



TIMBER CRUTCH WEST OF PILE 3 AT BENT 1 SHORED STRUCTURE (PHOTO # 6524)



TIMBER CRUTCH EAST OF PILE 1 AT BENT 2 , SHORED STRUCTURE (PHOTO # 6528)



TIMBER CRUTCH WEST OF PILE 2 AT BENT 2 , SHORED STRUCTURE (PHOTO # 6529)



STEEL CRUTCH EAST OF PILE 4 AT BENT 2, SHORED STRUCTURE (PHOTO # 6530)



TIMBER CRUTCH WEST OF PILE 4 AT BENT 2, SHORED STRUCTURE (PHOTO # 6531)



TIMBER CRUTCH EAST OF PILE 1 AT BENT 3, SHORED STRUCTURE (PHOTO # 6533)



TIMBER CRUTCH WEST OF PILE 2 AT BENT 4 , SHORED STRUCTURE (PHOTO # 6535)



TIMBER CRUTCH EAST OF PILE 4 BENT 4, SHORED STRUCTURE (PHOTO # 6536)



Span 2 Beam 7: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. RUST HOLE 1/2" DIAMETER IN WEB 4 1/2" FROM BEAM END AND UP 1" FROM BOTTOM FLANGE OVER BENT 2 CAP



Span 3 Beam 5: 1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. DRILLED HOLE 1 1/4" DIAMETER IN WEB FILLED WITH CONCRETE AT 5 1/2" FROM BEARING CENTERLINE AND UP 3 1/2" FROM BOTTOM FLANGE AT BENT 3 CAP, ALL BEAMS AT SPAN 3 BENT 3 ARE SIMILAR



Span 3 Beam 7: 1 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. BEAM 7 AT BENT 3 HAS RUST HOLE 2" DIAMETER IN WEB 4" FROM BEAM END UP 1" FROM BOTTOM FLANGE, NOTE: LAST INSPECTION HOLE WAS 1/4" DIAMETER SEE SKETCH



End Bent 1 Abutment/Backwall : 3 Feet of Decay/Section Loss: Affects less than 10% of the member section
DECAYED BULKHEAD BOARD AT SOUTHWEST CORNER



1/8" WIDE TRANSVERSE CRACK WITH 1/2" SETTLEMENT IN SOUTH APPROACH IN THE SOUTH BOUND LANE
(PHOTO # 6545)



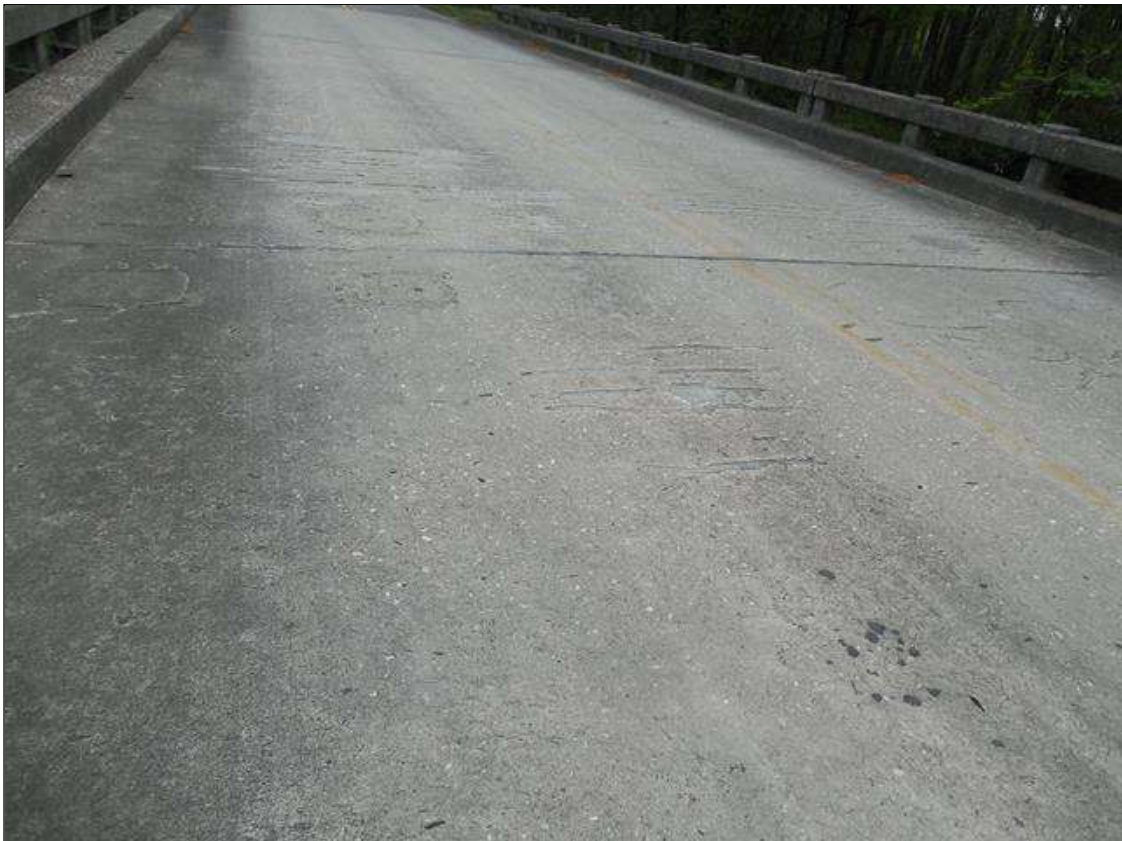
Span 1 Deck: 60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN NORTH BOUND LANE



Span 1 Deck: 30 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN SOUTH BOUND LANE



Span 1 Deck: 400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING



Span 2 Deck: 20 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CRACK PATCHES IN SOUTH BOUND LANE



Span 2 Deck: 450 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING IN BOTH LANES



Span 2 Deck: 80 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE



Span 2 Deck: 39 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING IN SOUTH BOUND LANE



Span 3 Deck: 4 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL IN NORTH BOUND LANE AT BENT 2



Span 3 Deck: 60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE



Span 3 Deck: 20 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL 20 SQ. FT. WITH EXPOSED REBAR IN SOUTH BOUND LANE PM ISSUED



Span 3 Deck: 5 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL 5 SQ. FT. IN SOUTH BOUND LANE WITH EXPOSED REBAR PM ISSUED



Span 4 Deck: 50 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING IN SOUTH BOUND LANE



Span 4 Deck: 25 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL WITH EXPOSED REBAR IN SOUTH BOUND LANE PM ISSUED



Span 4 Deck: 60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE



Expansion Joint 5 : 30 Feet of Seal Damage: Punctured or ripped or partially pulled out. JOINT MATERIAL DETERIORATED, MISSING, LEAKING



Span 5 Deck: 60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE



Span 5 Deck: 15 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHES IN SOUTH BOUND LANE



Span 5 Deck: 400 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING IN BOTH LANES



Span 6 Deck: 500 Square Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
HAIRLINE MAP CRACKING IN BOTH LANES



Span 6 Deck: 40 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN SOUTH BOUND LANE



Span 6 Deck: 60 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PATCHED CRACKS IN NORTH BOUND LANE



Span 6 Deck: 3 Square Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. in diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SURFACE SPALL WITH EXPOSED REBAR 3 SQ. FT. AT END BENT 2 IN NORTH BOUND LANE PM ISSUED



NORTH APPROACH ASPHALT WEARING SURFACE 1/8" TRANSVERSE CRACK OVER END BENT 2



DECAYED WINGWALL PILE AT NORTHWEST CORNER, 2 FT.



PILES 1 AND 2 ENCASED AT END BENT 2, TEMPORARY REPAIRS (PHOTO # 6577)



Span 6 Beam 1: 1 Feet of Cracking: Crack that has self-arrested or has been arrested with effective arrest holes, doubling plates, or similar. 1 1/4" DRILLED HOLE IN WEB 7" FROM CENTERLINE OF BEARING AT BENT 5 AND UP 3 1/2" FROM BOTTOM FLANGE, BEAMS 2 AND 3 ARE SIMILAR



Bent 4 Pile 1: 1 Each of Decay/Section Loss: Affects less than 10% of the member section DECAYED 14" HIGH X 8" WIDE X 2" DEEP ON WEST FACE



End Bent 2 Abutment/Backwall : 1 Feet of Check/Shake: Penetrates 5%-50% of the thickness of teh member and not in a tension zone. TURNPILE AT NORTHEAST CORNER HAS 1/8" WIDE VERTICAL CHECKS, 1" DEEP



1/4" WIDE VERTICAL CHECKS , 1" DEEP IN WINGWALL PILE AT NORTHEAST CORNER (PHOTO # 6584)



LOOKING NORTH



WEST PROFILE



END BENT 1



BENT 1



EAST PROFILE



EAST END OF BENT 1 CAP



BENT 2



BENT 3



BENT 4



UPSTREAM WEST



SUPERSTRUCTURE



BENT 2 STANDARD JOINT, BENT 4 JOINT SIMILAR



UPSTREAM WEST



DOWNSTREAM EAST



DATA PLATE IN LEFT RAIL END POST AT NORTHWEST CORNER



LOOKING SOUTH



BENT 5



END BENT 2



BEAM 1 BEARING AT BENT 5, ALL INTERIOR BEARINGS ARE SIMILAR



DOWNSTREAM EAST



BEAM 6 BEARING AT END BENT 2, ALL END BENT BEARINGS ARE SIMILAR

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

Update Date: 08/27/2015

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	770028	SUFFICIENCY RATING =	54.33	
(8) STRUCTURE NUMBER(FEDERAL)	000000001550028		STATUS =	Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31000830				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1		CLASSIFICATION		CODE
(3) COUNTY CODE 155 (4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -	YES	
(6) FEATURE INTERSECTED - LEITH CREEK			(104)HIGHWAY SYSTEM Is not on NHS	0	
(7) FACILITY CARRIED NC83			(26) FUNCTIONAL CLASS - Major Collector	07	
(9) LOCATION 0.5 MI.S.JCT. SR1101			(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0	
(11)MILEPOINT	0		(101)PARALLEL STRUCTURE - No Parallel Structure	N	
(16)LAT 34° 37' 31.49" (17)LONG 79° 26' 24.42"			(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 - On the National Network	1	
			(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 Continuous					
TYPE - Stringer Mullibeam or Girder	CODE	402			
(44) STRUCTURE TYPE APPR :					
TYPE -	CODE	000	CONDITION		CODE
(45) NUMBER OF SPANS IN MAIN UNIT	6		(58) DECK	4	
(46) NUMBER OF APPROACH SPANS			(59) SUPERSTRUCTURE	5	
(107)DECK STRUCTURE TYPE - 1	CODE		(60) SUBSTRUCTURE	4	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(61) CHANNEL & CHANNEL PROTECTION	5	
(A) TYPE OF WEARING SURFACE -	CODE		(62) CULVERTS	N	
(B) TYPE OF MEMBRANE -	CODE				
(C) TYPE OF DECK PROTECTION -	CODE		LOAD RATING AND POSTING		CODE
			(31) DESIGN LOAD H 15	2	
			(63) OPERATING RATING METHOD - Load Factor	1	
			(64) OPERATING RATING - HS-27	48	
			(65) INVENTORY RATING METHOD - Load Factor	1	
			(66) INVENTORY RATING - HS-16	28	
			(70) BRIDGE POSTING - No Posting Required	5	
			(41) STRUCTURE OPEN, POSTED, OR CLOSED	A	
			DESCRIPTION - Open, No Restriction		
AGE AND SERVICE					
(27) YEAR BUILT	1947				
(106)YEAR RECONSTRUCTED					
(42) TYPE OF SERVICE : ON - Highway					
UNDER - Waterway	CODE	15			
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0				
(29) AVERAGE DAILY TRAFFIC	430				
(30) YEAR OF ADT 2013 (109) TRUCK ADT PCT	7%				
(19) BYPASS OR DETOUR LENGTH	6 MI				
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN	20 FT				
(49) STRUCTURE LENGTH	122 FT				
(50)CURB OR SIDEWALK: LEFT 1.58335 FT RIGHT 1.58335 FT					
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	26 FT				
(52) DECK WIDTH OUT TO OUT	31.333 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	26 FT				
(33) BRIDGE MEDIAN - No Median	CODE	0			
(34) SKEW 0° (35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	26 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT				
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT				
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT				
(56) MIN LAT UNDERCLEAR LT REF -	000 FT				
NAVIGATION DATA					
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0			
(111)PIER PROTECTION -	CODE				
(39) NAVIGATION VERTICAL CLEARANCE	0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT				
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT				
			APPRAISAL		CODE
			(67) STRUCTURAL EVALUATION	4	
			(68) DECK GEOMETRY	5	
			(69) UNDERCLEARANCES,VERTI & HORIZ	N	
			(71) WATERWAY ADEQUACY	7	
			(72) APPROACH ROADWAY ALIGNMENT	8	
			(36) TRAFFIC SAFETY FEATURES	0000	
			(113)SCOUR CRITICAL BRIDGES	8	
			PROPOSED IMPROVEMENTS		
			(75) TYPE OF WORK -	CODE	
			(76) LENGTH OF STRUCTURE IMPROVEMENT		
			(94) BRIDGE IMPROVEMENT COST		
			(95) ROADWAY IMPROVEMENT COST		
			(96) TOTAL PROJECT COST		
			(97) YEAR OF IMPROVEMENT COST ESTIMATE		
			(114)FUTURE ADT 860 (115) YEAR FUTURE ADT 2025		
			INSPECTIONS		
			(90) INSPECTION DATE	04/13/2015	
			(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
			A) FRACTURE CRIT DETAIL - NO	A)	
			B) UNDERWATER INSP - YES 48Mo	B) 12/08/2011	
			C) OTHER SPECIAL INSP NO	C)	
			SCOUR		

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Update Date: 08/27/2015

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ROBESON	6	1	770028	122	FEET
ROUTE CARRIED :		FEATURE INTERSECTED :			
NC83		LEITH CREEK			
LOCATED :		BRIDGE NAME :		CITY :	
0.5 MI.S.JCT. SR1101					
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :	
07	FA	NFA	430 2013	LT 111 RT 111	
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :	
1947	SHPMC	3976	3-237(1)	H 15	
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
	DBM		TAN	90	ON 2 UNDER 0
NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :
VC 0 FT	HC 0 FT		15 FT		8 FT
SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS (CONTINUOUS)					
SUBSTRUCTURE : END & INT. BENTS:RC CAPS ON TIMBER PILES, INT. BENTS WITH TIMBER & STEEL CRUTCHES					
SPANS : 1@21'0", 1@20'0" CONTINUOUS, 2@20'0" CONTINUOUS, 1@20'0", 1@21'0" CONTINUOUS					
BEAMS OR GIRDERS : 7 LINES OF W14X34 I-BEAMS (CONTINUOUS) @ 4'4" CENTERS					
FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :			
6" RC, NO AWS		31.333 FT			
CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
26 FT	29.1667 FT	LT 1.58335 FT RT 1.58335 FT			
VERT.CL.OVER : 999.9 FT					
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	DATE	
HS-16	HS-27	cont beam	SV TTST	10/29/2008	
SYSTEM : Primary N.C. Route			GREEN LINE ROUTE : N		
UNDER ROUTES AND CLEARANCES					

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 770028

County ROBESON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3326	Maintain Concrete Deck	SF	20	SPAN 3 DECK, SOUTH BOUND LANE HAS 20 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED	
 3326	Maintain Concrete Deck	SF	5	SPAN 3 DECK , SBL HAS 5 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED	
 3326	Maintain Concrete Deck	SF	25	SPAN 4 DECK, SOUTH BOUND LANE HAS 25 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED	
 3326	Maintain Concrete Deck	SF	3	SPAN 6 DECK, NORTH BOUND LANE AT END BENT 2 HAS 3 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770028

County ROBESON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	20 SF
Location:		
Deck Structure Type	Bent/Span No. 3	DECK
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
04/13/2015	R.D.HEATH	R.L.KISNER
Details		
SPAN 3 DECK, SOUTH BOUND LANE HAS 20 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	5 SF
Location:		
Deck Structure Type	Bent/Span No. 3	DECK
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
04/13/2015	R.D.HEATH	R.L.KISNER
Details		
SPAN 3 DECK , SBL HAS 5 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770028

County ROBESON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	25 SF
Location:		
Deck Structure Type	Bent/Span No. 4	DECK
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
04/13/2015	R.D.HEATH	R.L.KISNER
Details		
SPAN 4 DECK, SOUTH BOUND LANE HAS 25 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	3 SF
Location:		
Deck Structure Type	Bent/Span No. 6	DECK
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
04/13/2015	R.D.HEATH	R.L.KISNER
Details		
SPAN 6 DECK, NORTH BOUND LANE AT END BENT 2 HAS 3 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED		



SPAN 3 DECK, SOUTH BOUND LANE HAS 20 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED



SPAN 3 DECK , SBL HAS 5 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED



SPAN 4 DECK, SOUTH BOUND LANE HAS 25 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR PM ISSUED

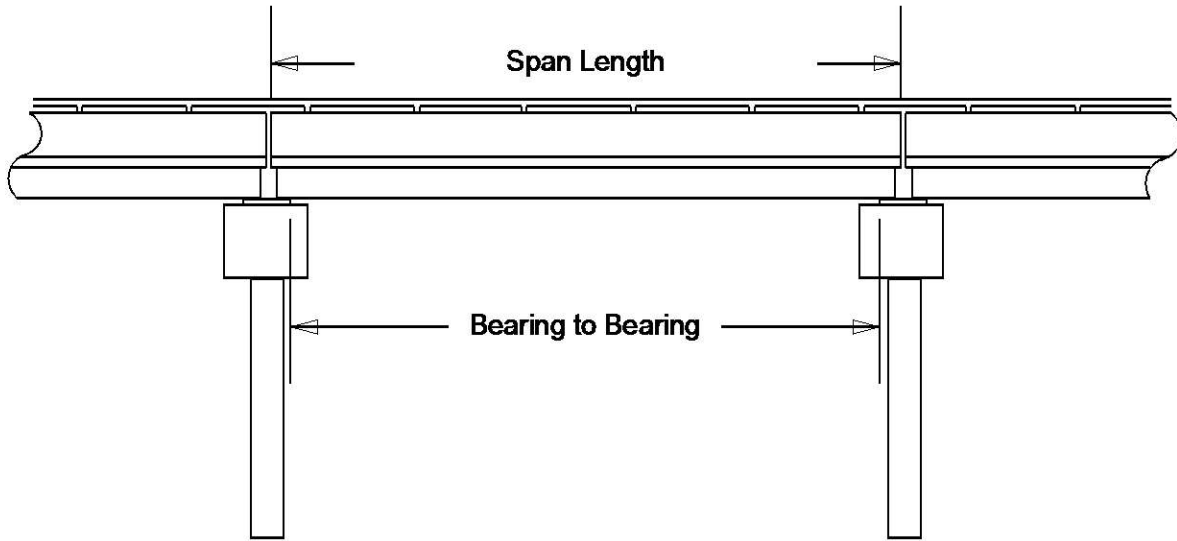


SPAN 6 DECK, NORTH BOUND LANE AT END BENT 2 HAS 3 SQ. FT. SURFACE SPALL WITH EXPOSED REBAR
PM ISSUED

Structure Data Worksheet

Spans

County: ROBESON Structure No: 770028 Date: Inspected By: RDH



Span No	Span Length	Bearing to Bearing	Comments
1	21.0 FT.	19.75 FT.	NBIS 118.917 FT.THREE 2SPAN CONTINUOUS
2	20.0 FT.	19.75 FT.	
3	20.0 FT.	19.75 FT.	
4	20.0 FT.	19.75 FT.	
5	20.0 FT.	19.75 FT.	
6	21.0 FT.	19.75 FT.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 770028 County: ROBESON 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	2.1	TOP OF BULKHEAD			
1	4.3	Top of Cap			
3	7.8	GROUND AT CAP	3	9	GROUND AT CAP
6	7.8				
8	9.1	WSWE (EAST)			
17	10.4				
20	10.2	BENT 1	20	14.3	BENT 1
30	10.3				
40	15.1	BENT 2	40	15	BENT 2
50	12.6				
61	13.2	BENT 3	61	14.2	BENT 3
70	16.3				
80.5	16.2	BENT 4	80.5	17.5	BENT 4
90	17.5				
100.5	15.2	BENT 5	100.5	11.4	BENT 5
105	11.9				
108.5	9.1	WSWE			
120	7.4	GROUND AT CAP	120	8.8	GROUND AT CAP
120.5	4.3	Top of Cap			
121	2.1	TOP OF BULKHEAD			

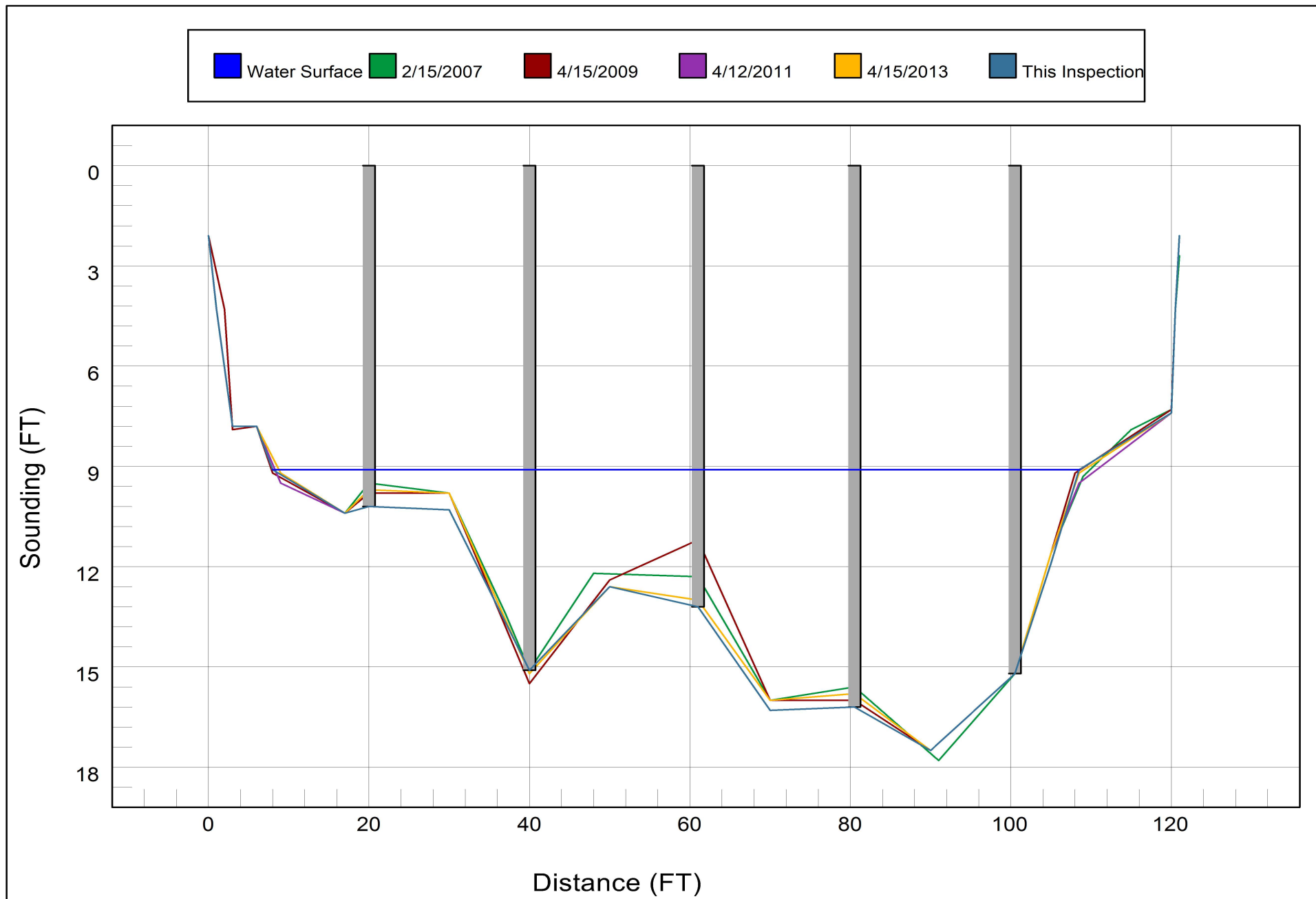
Bridge: 770028

County ROBESON

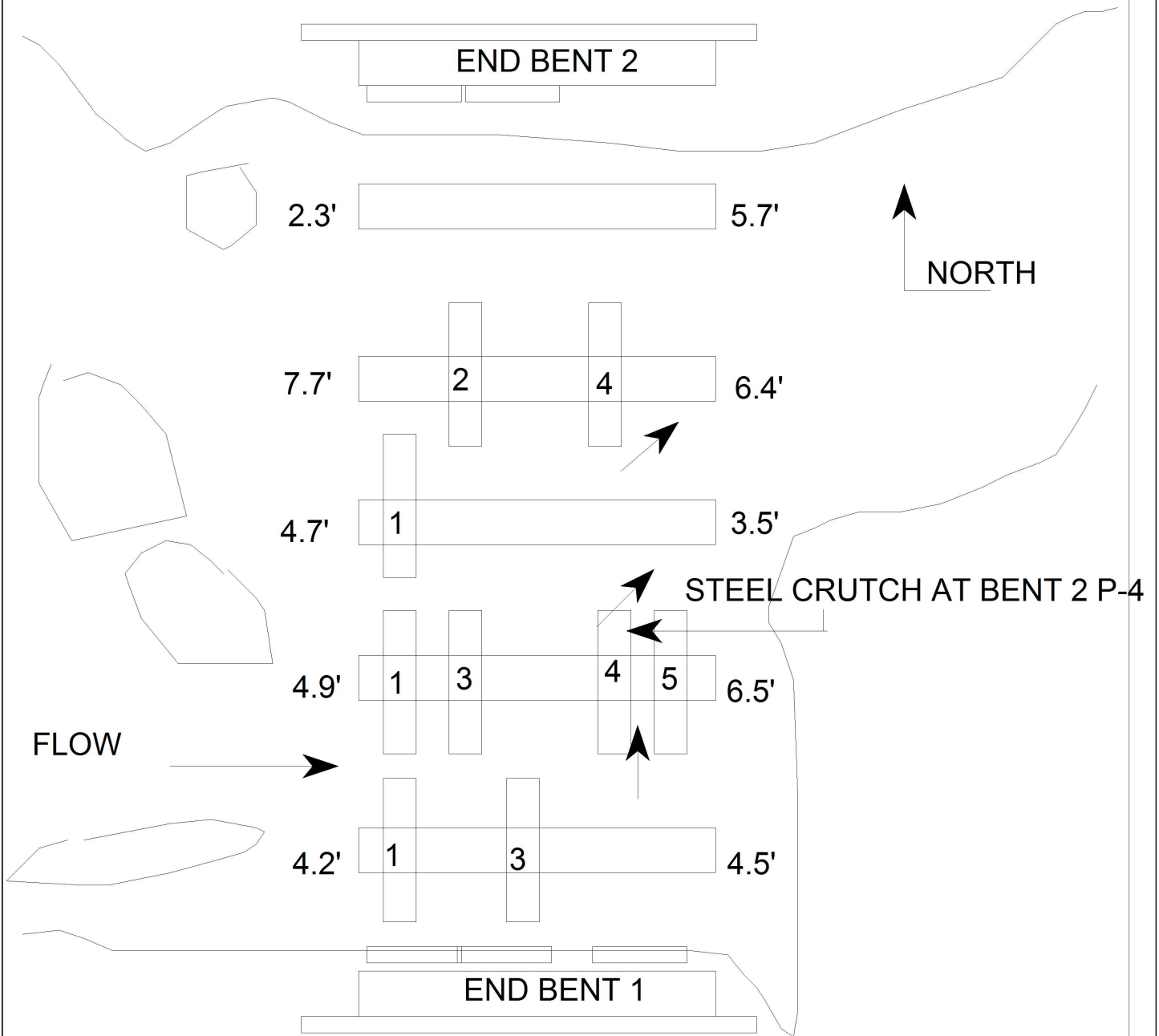
Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



W/S TOP OF RAIL 9.5'
 SAND BOTTOM 1' PROBES
 CONCRETE COLLARS AT E.BT'S
 TIMBER CRUTCHES AT BT'S

Title
 PLAN VIEW

Description
 TOP VIEW

Bridge No: 770028

Drawn By: PGR

Date: 1/8/2008

File Name: S0174012349

Bridge Inspection Field Sketch

(NC HIGHWAY 83)



LOOKING NORTH

Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	8.667ft Wide	2.667ft Paved	6ft Unpaved
Right Shoulder	7ft Wide	3ft Paved	4ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

APPROACH ROADWAY

Description

LOOKING NORTH

Bridge No: 770028

Drawn By: RLK

Date: 4/15/2013

File Name: S0214000605

Bridge Inspection Field Sketch

Deck Width/Out to Out	31.333 ft	Wearing Surface	
Between Rails	29.1667 ft	Median Width	
Curb Height	.8333 ft	Median Height	
Top Rail to Deck/Wearing Surface	2.5 ft	Left Guardrail Width	.917 FT.
Clear Roadway	26.0 ft	Right Guardrail Width	.917 FT.
Left Bridge Rail	Type 11	Right Bridge Rail	Type 11

Measurements for Span #	1	SIMILAR SPANS 2 - 6	
Deck Thickness	.5	Left Overhang	2.667 FT.
Top of Rail to Bottom of Beam	4.1667	Right Overhang	2.667 FT.

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	4.3333 ft	
2	Steel I Beam	4.3333 ft	
3	Steel I Beam	4.3333 ft	
4	Steel I Beam	4.3333 ft	
5	Steel I Beam	4.3333 ft	
6	Steel I Beam	4.3333 ft	
7	Steel I Beam		

MEASUREMENTS VERIFIED BY RLK 4/12/11

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS REVISED BY RLK 4/13/15

**NOTE: OUT TO OUT MEASUREMENTS TAKEN AT EXTERIOR SIDES OF CONCRETE RAILS
RIGHT AND LEFT BEAM TO DECK OVERHANGS TAKEN AT EXTERIOR OF RAILS**

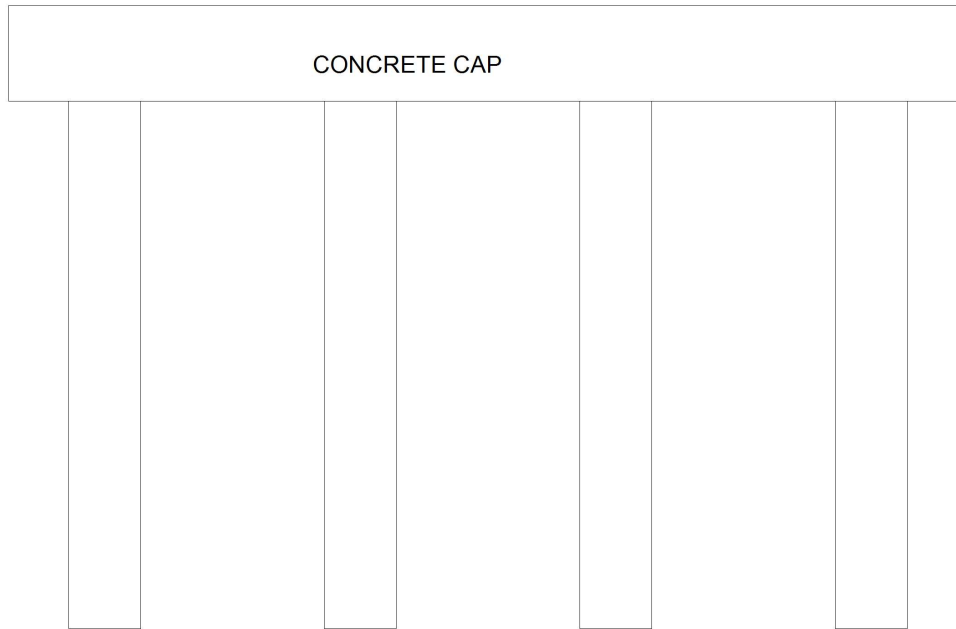
BEAM DETAIL

W14 x 34

6 7/8 INCHES x 14 INCHES x 1/4 INCH WEB x 7/16 INCH FLAT FLANGE

Title		Description	
SUPERSTRUCTURE		SIMILAR SECTION	
Bridge No:	770028	Drawn By:	MSW
Date:	02/12/2007	File Name:	S0214000606

Bridge Inspection Field Sketch



TIMBER PILES
PILES 1, 2, AND 4 ARE FULLY CONCRETE ENCASED

Abutment #	1		
Cap - Cast In Place			
Cap Size	31.5ft Long	2.0ft Wide	2.0ft High
Left Overhang	3.5833ft	Lt Cap/Beam Overhang	2.7083ft
Right Overhang	3.75ft	Rt Cap/Beam Overhang	2.75ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.3333		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	7.9167		1.0 DIA		Vertical
3	Wood or Timber	Pile Bent	7.9167		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent			1.0 DIA		Vertical

MEASUREMENTS VERIFIED BY RLK 4/12/11

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

END BENT 1 LOOKING NORTH

Description

END BENT 1 LOOKING NORTH

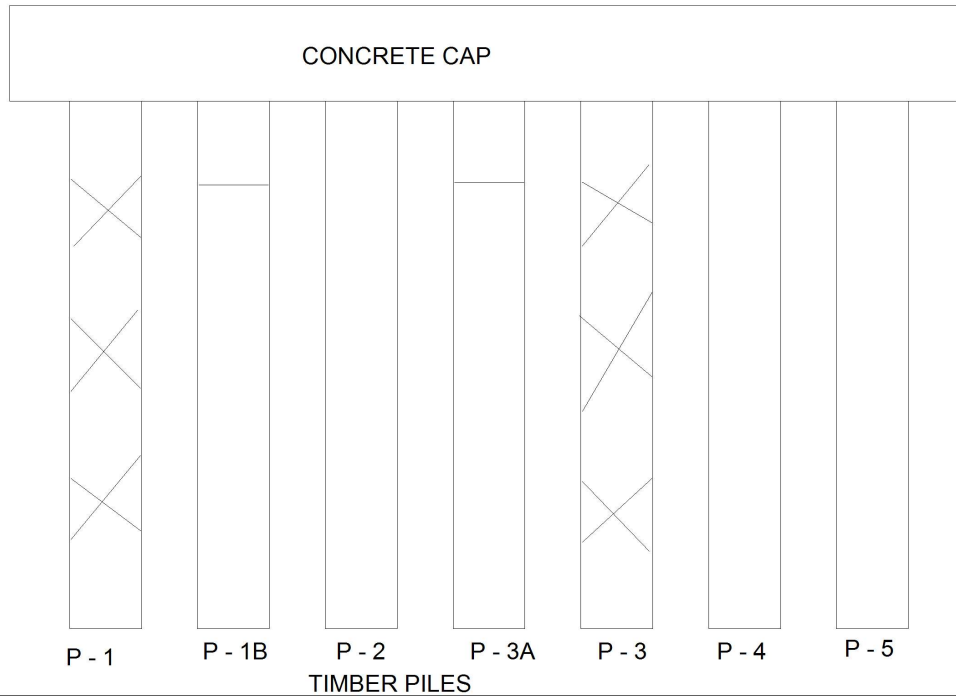
Bridge No: 770028

Drawn By: MSW

Date: 02/12/2007

File Name: S0214000607

Bridge Inspection Field Sketch



Bent #	1		
Cap - Cast In Place			
Cap Size	28.4167ft Long	2.0ft Wide	2.0ft High
Left Overhang	2.1667ft	Lt Cap/Beam Overhang	1.25ft
Right Overhang	2.9167ft	Rt Cap/Beam Overhang	1.25ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	1.1667		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	4.75		.9167 DIA		Vertical
3	Wood or Timber	Pile Bent	4.9167		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent	1.3333		.9167 DIA		Vertical
5	Wood or Timber	Pile Bent	5.9167		1.0 DIA		Vertical
6	Wood or Timber	Pile Bent	5.25		1.0 DIA		Vertical
7	Wood or Timber	Pile Bent			1.0 DIA		Vertical

P - 1B AND P - 3A ARE TIMBER CROSS CAPS CONSISTING OF A 9 1/2 INCH x 11 7/8 INCH TIMBER CROSS CAP ON TWO .9167 DIA. TIMBER PILES

P - 1B, TWO PILES AT 43 INCH CENTER

P - 3A, TWO PILES AT 41 INCH CENTER

OVERHANG MEASUREMENTS ARE TO ORIGINAL PILES

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

BENT 1 LOOKING NORTH

Description

BENT 1 LOOKING NORTH

Bridge No: 770028

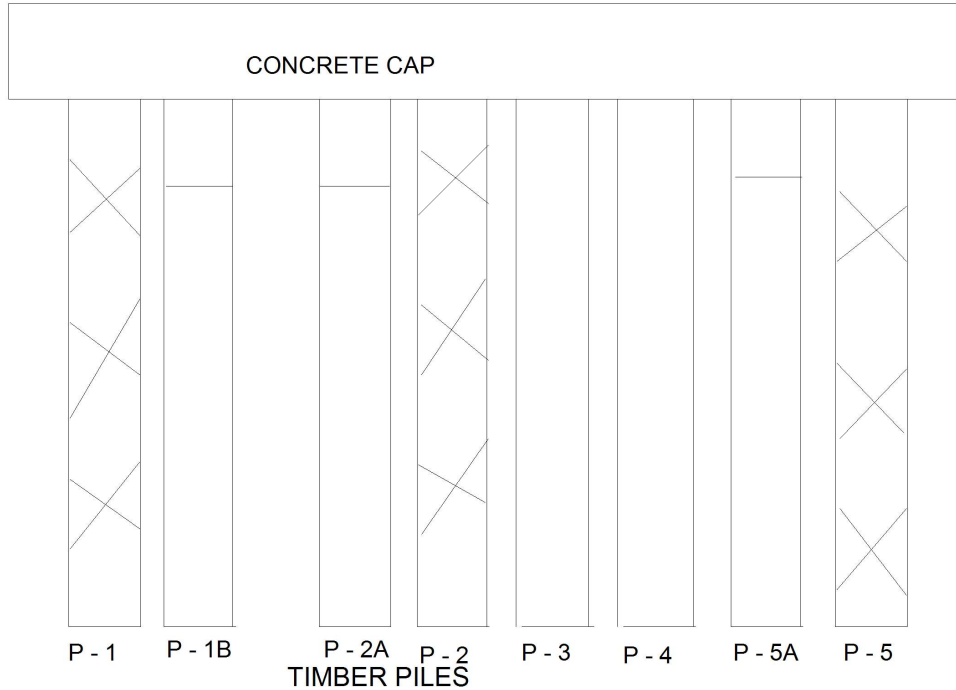
Drawn By: MSW

Date: 02/12/2007

File Name: S0214000608

Bridge Inspection Field Sketch

OVERHANGS ARE MEASURED TO ORIGINAL PILES



Bent #	2		
Cap - Cast In Place			
Cap Size	28.4167ft Long	2.0ft Wide	2.0ft High
Left Overhang	2.1667ft	Lt Cap/Beam Overhang	1.25ft
Right Overhang	2.25ft	Rt Cap/Beam Overhang	1.25ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	.6667		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	4.4167		.9167 DIA		Vertical
3	Wood or Timber	Pile Bent	1.3333		.9167 DIA		Vertical
4	Wood or Timber	Pile Bent	5.5833		1.0 DIA		Vertical
5	Wood or Timber	Pile Bent	6.0833		1.0 DIA		Vertical
6	Wood or Timber	Pile Bent	5.3333		.9167 DIA		Vertical
7	Wood or Timber	Pile Bent	.5833		1.0 DIA		Vertical
8	Wood or Timber	Pile Bent			1.0 DIA		Vertical

P - 1B, P - 2A, AND P - 5A ARE DOUBLE PILED CROSS CAPS CONSISTING OF A 9 1/2 INCH x 11 7/8 INCH TIMBER CAP WITH TWO 11 INCH DIA. TIMBER PILES. STL CRUTCH ADDED AT P4

P - 1B PILES ARE SPACED AT 48 INCHES.

P - 2A PILES ARE SPACED AT 47 INCHES.

P - 5A PILES ARE SPACED AT 37 INCHES.

MEASUREMENTS VERIFIED BY RLK 4/12/11

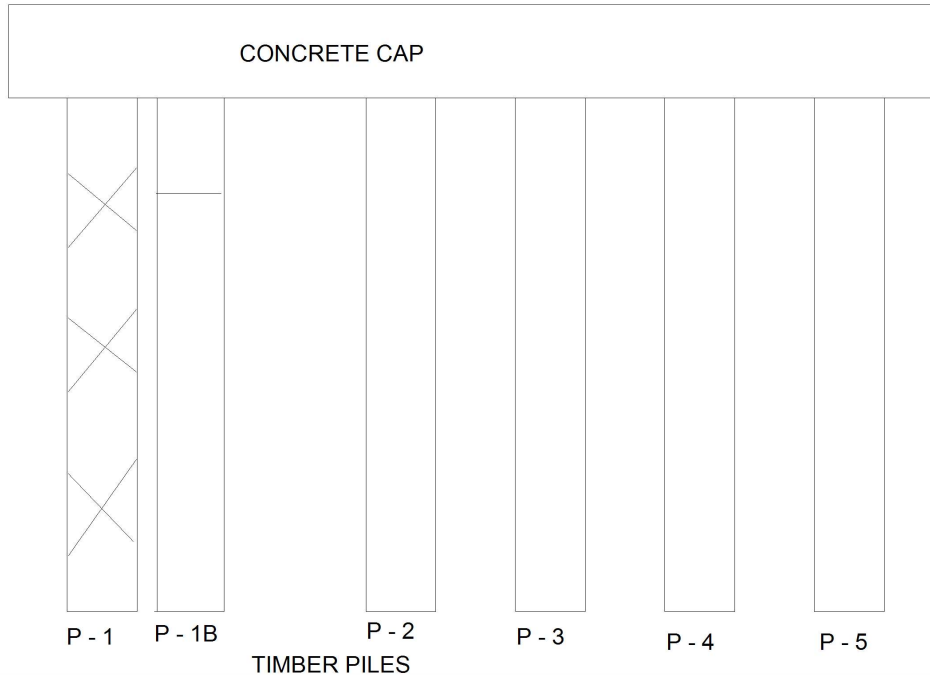
MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title	Description
BENT 2 LOOKING NORTH	BENT 2 LOOKING NORTH
Bridge No: 770028	Drawn By: MSW
Date: 02/12/2007	File Name: S0214000609

Bridge Inspection Field Sketch

OVERHANGS ARE MEASURED TO ORIGINAL PILES



Bent #	3		
Cap - Cast In Place			
Cap Size	28.0833ft Long	2.0ft Wide	2.0ft High
Left Overhang	1.75ft	Lt Cap/Beam Overhang	1.25ft
Right Overhang	2.1667ft	Rt Cap/Beam Overhang	1.25ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	.6667		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	5.4167		.9167 DIA		Vertical
3	Wood or Timber	Pile Bent	5.75		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent	6.0		1.0 DIA		Vertical
5	Wood or Timber	Pile Bent	6.3333		1.0 DIA		Vertical
6	Wood or Timber	Pile Bent			1.0 DIA		Vertical

P - 1B CONSISTS OF A 9 1/2 INCH x 11 7/8 INCH TIMBER CROSS CAP WITH TWO 11 INCH DIA. TIMBER PILES SPACED AT 44 INCHES.

MEASUREMENTS VERIFIED BY RLK 4/12/11
 MEASUREMENTS VERIFIED BY RLK 4/15/13
 MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

BENT 3 LOOKING NORTH

Description

BENT 3 LOOKING NORTH

Bridge No: 770028

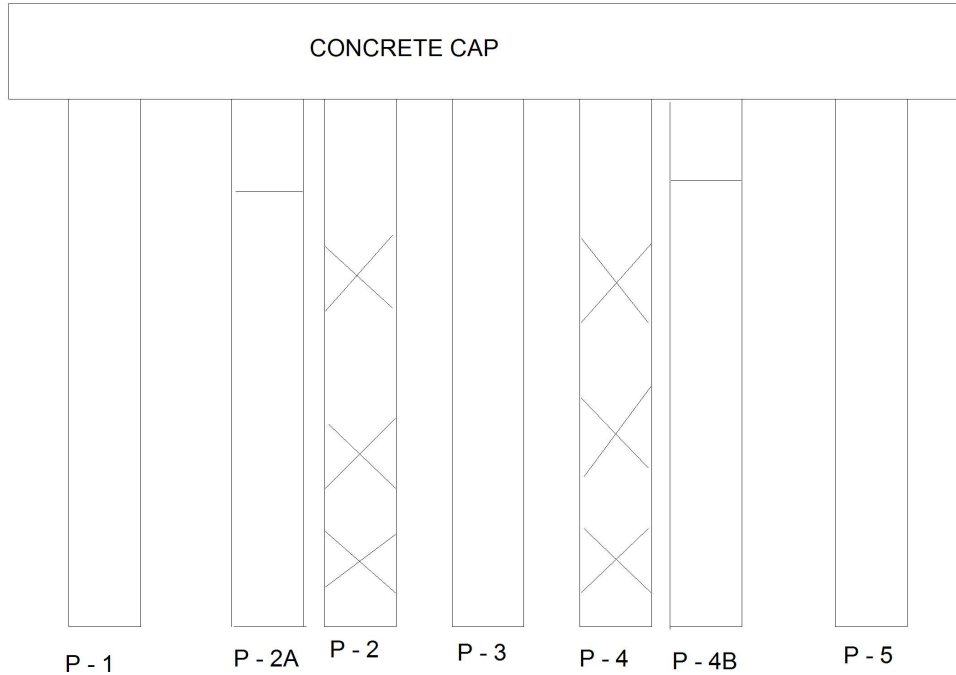
Drawn By: MSW

Date: 02/12/2007

File Name: S0214000610

Bridge Inspection Field Sketch

OVERHANGS ARE MEASURED TO ORIGINAL PILES



Bent #	4		
Cap - Cast In Place			
Cap Size	28.5833ft Long	2.0ft Wide	2.0ft High
Left Overhang	2.1667ft	Lt Cap/Beam Overhang	1.25ft
Right Overhang	2.0ft	Rt Cap/Beam Overhang	1.25ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.0833		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	1.25		.9167 DIA		Vertical
3	Wood or Timber	Pile Bent	5.0		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent	6.25		1.0 DIA		Vertical
5	Wood or Timber	Pile Bent	1.3333		1.0 DIA		Vertical
6	Wood or Timber	Pile Bent	5.5		.9167 DIA		Vertical
7	Wood or Timber	Pile Bent			1.0 DIA		Vertical

P - 2A AND P - 4B CONSISTS OF A 9 1/2 INCH x 11 7/8 INCH TIMBER CROSS CAP WITH TWO 11 INCH DIAMETER PILES.
P - 2A PILES ARE SPACED AT 45 INCHES.
P - 4B PILES ARE SPACED AT 41 INCHES.

MEASUREMENTS VERIFIED BY RLK 4/12/11
MEASUREMENTS VERIFIED BY RLK 4/15/13
MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

BENT 4 LOOKING NORTH

Description

BENT 4 LOOKING NORTH

Bridge No: 770028

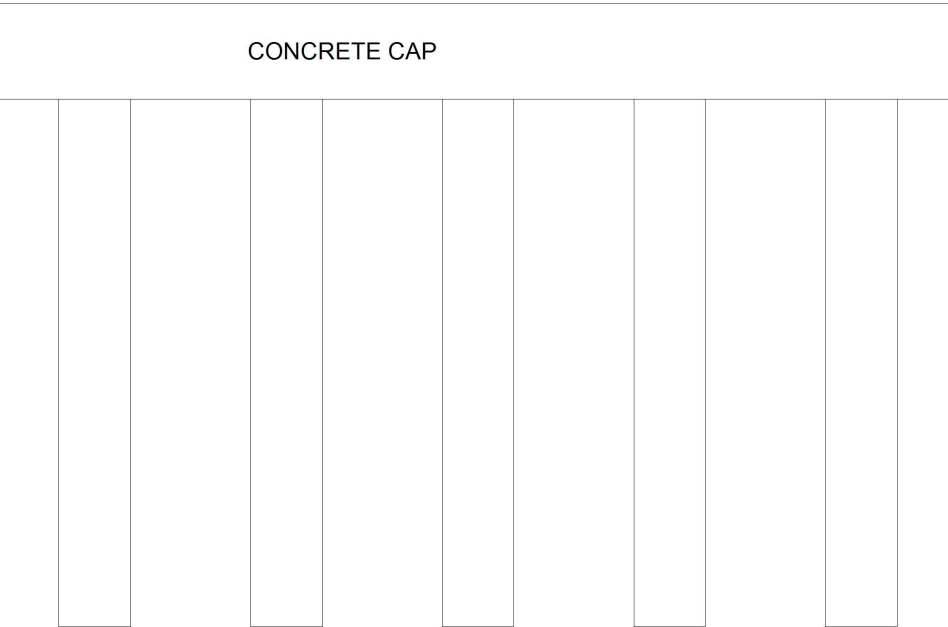
Drawn By: MSW

Date: 02/12/2007

File Name: S0214000611

Bridge Inspection Field Sketch

CONCRETE CAP



TIMBER PILES

Bent #	5		
Cap - Cast In Place			
Cap Size	28.5ft Long	2.0ft Wide	2.0ft High
Left Overhang	1.6667ft	Lt Cap/Beam Overhang	1.25ft
Right Overhang	2.0ft	Rt Cap/Beam Overhang	1.25ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	6.1667		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	6.5		1.0 DIA		Vertical
3	Wood or Timber	Pile Bent	6.0833		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent	6.0833		1.0 DIA		Vertical
5	Wood or Timber	Pile Bent			1.0 DIA		Vertical

MEASUREMENTS VERIFIED BY RLK 4/12/11

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

BENT 5 LOOKING NORTH

Description

BENT 5 LOOKING NORTH

Bridge No: 770028

Drawn By: MSW

Date: 02/14/2007

File Name: S0214000612

Bridge Inspection Field Sketch

CONCRETE CAP

TIMBER PILES

PILE 1 AND PILE 2 ARE CONCRETE ENCASED

Abutment #	2		
Cap - Cast In Place			
Cap Size	31.4167ft Long	2.0ft Wide	2.0ft High
Left Overhang	3.6667ft	Lt Cap/Beam Overhang	2.6667ft
Right Overhang	4.0ft	Rt Cap/Beam Overhang	2.6667ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.0		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	7.9167		1.0 DIA		Vertical
3	Wood or Timber	Pile Bent	7.8333		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent			1.0 DIA		Vertical

MEASUREMENTS VERIFIED BY RLK 4/12/11

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

END BENT 2 LOOKING NORTH

Description

END BENT 2 LOOKING NORTH

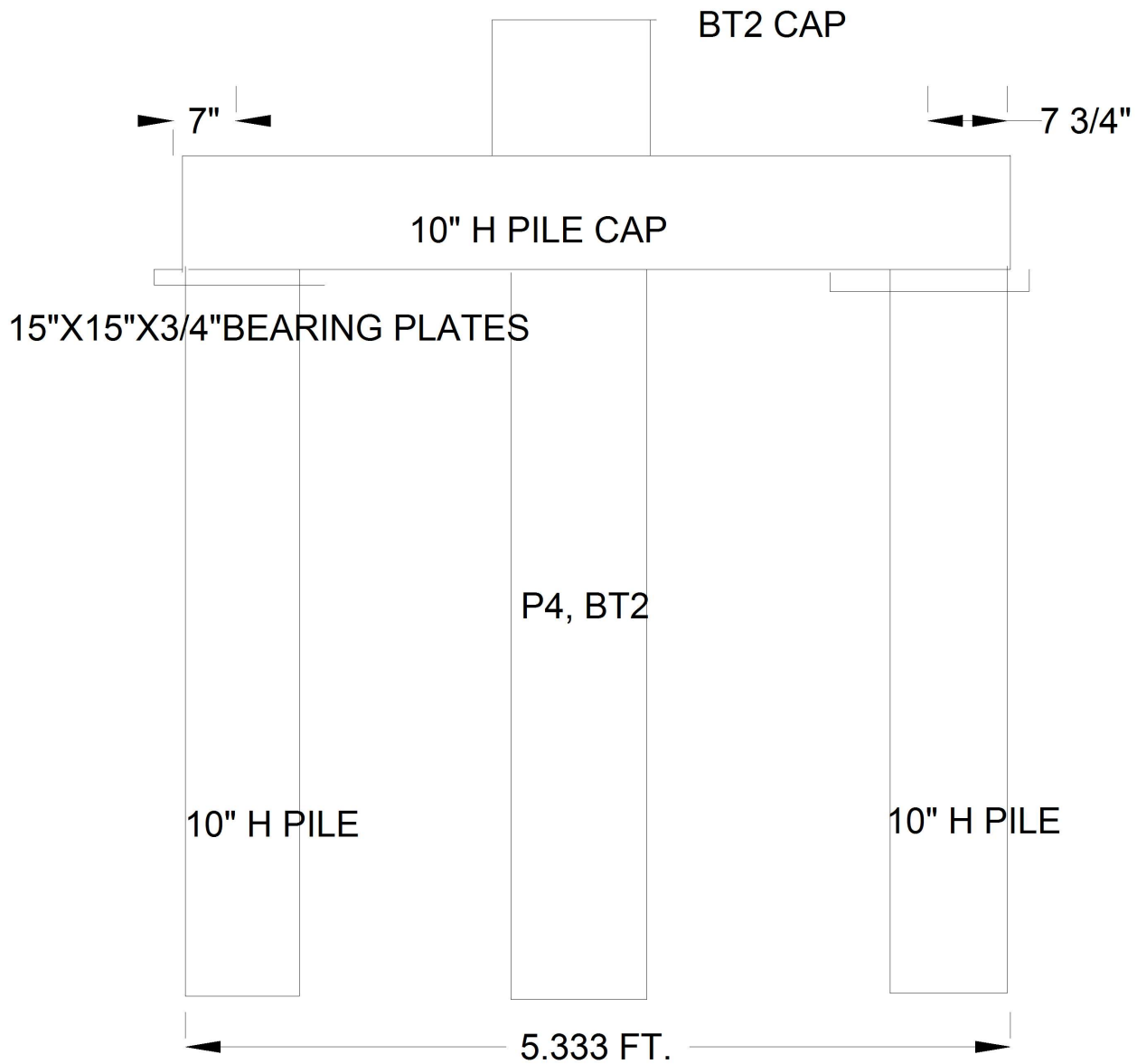
Bridge No: 770028

Drawn By: MSW

Date: 02/15/2007

File Name: S0214000623

Bridge Inspection Field Sketch



14" CENTER TO CENTER, TIMBER P4 TO STEEL CRUTCH
TO THE EAST OF PILE 4

MEASUREMENTS VERIFIED BY RLK 4/12/11

MEASUREMENTS VERIFIED BY RLK 4/15/13

MEASUREMENTS VERIFIED BY RLK 4/13/15

Title

STEEL CRUTCH BENT

Description

PILE 4, BENT 2 CRUTCH

Bridge No: 770028

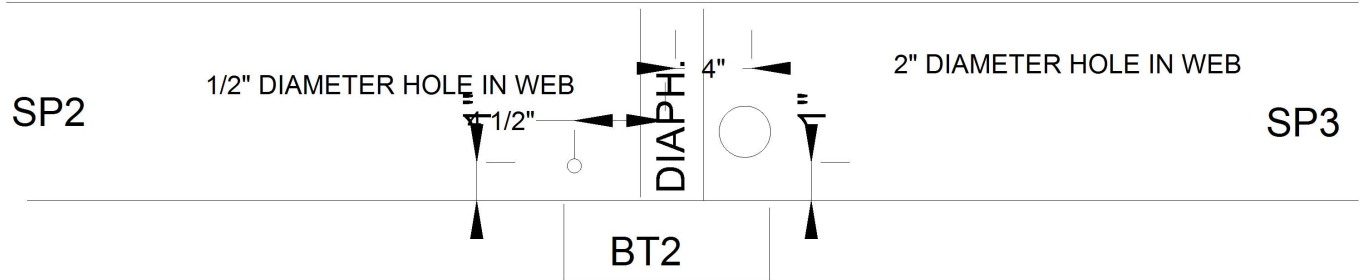
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Date: 4/16/2009

File Name: S0098000782

Bridge Inspection Field Sketch

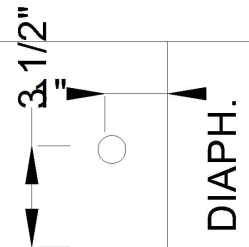
BEAM 7 SPANS 2 & 3 AT BENT 2



NOTE: 2013 HOLE WAS 1/4" - 2015 HOLE 2" DIAMETER

BEAMS 1 & 2 IN SP6 AT BT5

1 1/4" DRILLED HOLE IN WEB



SIMILAR IN ALL BEAMS AT BENT 3 IN SP3 WITH HOLES FILLED WITH CONCRETE

BT5

MEASUREMENTS VERIFIED BY RLK 4/12/11
MEASUREMENTS VERIFIED BY RLK 4/15/13
MEASUREMENTS REVISED BY RLK 4/13/15

Title
BEAM HOLES

Description
HOLES IN BEAM WEBS

Bridge No: 770028

Drawn By: RLK

Date: 4/12/2011

File Name: S0098001162