ATTENTION: Priority maintenace issued on decayed joist

Temporary pile repairs

Structure Safety Report

Routine Element Inspection

COUNTY: JOHNSTON STRU	UCTURE NUMBER: 500	239	FREQUENCY:	24 MONTHS	
FACILITY CARRIED: SR2129		MILE	POST:		
LOCATION: 0.3 MI.N.SR1934					
FEATURE INTERSECTED: BUFFALO CR	EEK				
LATITUDE: 35° 35' 26.92"	LONGITUDE	E: 78° 13' 37.75"			
SUPERSTRUCTURE: RC FLOOR ON TI	MBER JOISTS;STD.BI	MD-10			
SUBSTRUCTURE: EBTS&BTS:TIM.CAP/	TIM.PILES@W/CONC.	ENC.CCA SPLICED PILE	S		
1@17'5,6@17',1@17'5 SPANS: 1@17"5,6@17",1@17"5					
FRACTURE CRITICAL TEMPO	RARY SHORING [SCOUR CRITICAL	✓ SCOUR I	PLAN OF ACTION	
PRESENT CONDITION: Fair		INSPECTION DATE: 10/2	1/2015		
POSTED SV: 19		POSTED TTST: 27			
OTHER SIGNS PRESENT: 4 Delineators					
		Part of the control o	NO	WEIGHT LIMIT DELINEATORS NARROW BRIDGE ONE LANE BRIDGE LOW CLEARANCE	
Looking north INSPECTED BY Willis C May	SIGNATURE	W Ma C My	ASSISTED BY	Wayne T Wilkinson	

Span Element Report

Structure Number: 500239 Inspection Date: 10/21/2015

Span Number 1 Span Length 17.4167 Feet Number of Beams/Girders: 19

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	442	419	23	0	0	23	3326
111		Timber Open Girder/Beam	361	170	187	4	0	191	3304
216		Timber Abutment	30	24	0	6	0	6	3346
228		Timber Pile	4	0	4	0	0	14	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
331		Reinforced Concrete Bridge Railing	36	35	0	1	0	1	3318
510		Wearing Surface	419	372	23	24	0	47	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

Number of Beams/Girders: 19

0

63

2816

Span Number 2

Span Length 17 Feet

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	431	408	23	0	0	23	3326
111		Timber Open Girder/Beam	342	251	87	4	0	91	3304
228		Timber Pile	4	0	4	0	0	28	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
301		Pourable Joint Seal	0	-26	26	0	0	26	3310
331		Reinforced Concrete Bridge Railing	34	34	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

345

51

12

Number of Beams/Girders: 19

Number of Beams/Girders: 19

408

Span Number 3

Wearing Surface

510

Span Length 17 Feet

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	431	408	23	0	0	23	3326
111		Timber Open Girder/Beam	342	264	66	12	0	78	3304
228		Timber Pile	4	0	2	2	0	40	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
301		Pourable Joint Seal	0	-20	20	0	0	20	3310
331		Reinforced Concrete Bridge Railing	34	34	0	0	0	0	3318
510		Wearing Surface	408	332	52	24	0	76	2816

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

Span Number 4

Span Length 17 Feet

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	431	408	23	0	0	23	3326
111		Timber Open Girder/Beam	342	196	146	0	0	146	3304
228		Timber Pile	4	0	1	3	0	37	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
301		Pourable Joint Seal	0	-10	10	0	0	10	3310
331		Reinforced Concrete Bridge Railing	34	34	0	0	0	0	3318

 Structure Number:
 500239
 Inspection Date:
 10/21/2015

 510
 Wearing Surface
 408
 315
 69
 24
 0
 93
 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 17 Feet

Number of Beams/Girders: 19

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	431	408	23	0	0	23	3326
111		Timber Open Girder/Beam	342	153	182	1	6	189	3304
228		Timber Pile	4	0	3	1	0	23	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
301		Pourable Joint Seal	0	-20	20	0	0	20	3310
331		Reinforced Concrete Bridge Railing	34	34	0	0	0	0	3318
510		Wearing Surface	408	329	53	26	0	79	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 17 Feet

Number of Beams/Girders: 19

Element 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	431	408	23	0	0	23	3326
111	Timber Open Girder/Beam	342	121	221	0	0	221	3304
228	Timber Pile	4	0	4	0	0	19	3344
235	Timber Pier Cap	26	0	26	0	0	26	3344
301	Pourable Joint Seal	0	-10	10	0	0	10	3310
331	Reinforced Concrete Bridge Railing	34	34	0	0	0	0	3318
510	Wearing Surface	408	319	65	24	0	89	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

Span Number 7

Span Length 17 Feet

Number of Beams/Girders: 20

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	431	408	23	0	0	23	3326
107		Steel Open Girder/Beam	18	0	14	4	0	18	3314
515	107	Steel Protective Coating	58	0	0	0	58	58	3342
111		Timber Open Girder/Beam	360	212	136	6	6	148	3304
228		Timber Pile	4	0	4	0	0	17	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
301		Pourable Joint Seal	0	-15	15	0	0	15	3310
331		Reinforced Concrete Bridge Railing	34	34	0	0	0	0	3318
510		Wearing Surface	408	332	52	24	0	76	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 8

Span Length 17.4167 Feet

Number of Beams/Girders: 19

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	442	419	23	0	0	23	3326
111		Timber Open Girder/Beam	361	250	111	0	0	111	3304
216		Timber Abutment	30	15	12	3	0	12	3346

228	Timber Pile	8	0	7	1	0	52	3344
235	Timber Pier Cap	52	0	52	0	0	26	3344
301	Pourable Joint Seal	26	11	15	0	0	15	3310
331	Reinforced Concrete Bridge Railing	36	36	0	0	0	0	3318
510	Wearing Surface	419	335	56	28	0	84	2816

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

Superstructure Detailed Element Quantites

Structure Number: 500239 Inspection Date: 10/21/2015

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	442	419	23	0	0	23	3326	Requested
✓ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	Requested
✓ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	18	17	0	1	0	1	3318	Requested
✓ Wearing Surfaces		510	Wearing Surface	419	372	23	24	0	47	2816	Requested
✓ Beam	1	111	Timber Open Girder/Beam	19	0	17	2	0	19	3304	Requested
✓ Beam	2	111	Timber Open Girder/Beam	19	9	10	0	0	10	3304	Requested
✓ Beam	3	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓ Beam	4	111	Timber Open Girder/Beam	19	11	8	0	0	8	3304	Requested
✓ Beam	5	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
✓ Beam	6	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
✓ Beam	7	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓ Beam	8	111	Timber Open Girder/Beam	19	9	10	0	0	10	3304	Requested
✓ Beam	9	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓ Beam	10	111	Timber Open Girder/Beam	19	16	3	0	0	3	3304	Requested
✓ Beam	11	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓ Beam	12	111	Timber Open Girder/Beam	19	11	8	0	0	8	3304	Requested
✓ Beam	13	111	Timber Open Girder/Beam	19	15	4	0	0	4	3304	Requested
✓ Beam	14	111	Timber Open Girder/Beam	19	13	6	0	0	6	3304	Requested
✓ Beam	15	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
✓ Beam	16	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓ Beam	17	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
 ✓ Beam	18	111	Timber Open Girder/Beam	19	12	7	0	0	7	3304	Requested
✓ Beam	19	111	Timber Open Girder/Beam	19	17	0	2	0	2	3304	Requested

Span Number 2

Ele	ement 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
✓ D	Deck	1	12	Reinforced Concrete Deck	431	408	23	0	0	23	3326	Requested
✓ B	Bridge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ B	Bridge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓	Vearing Surfaces		510	Wearing Surface	408	345	51	12	0	63	2816	Requested
✓ B	Beam	1	111	Timber Open Girder/Beam	18	0	16	2	0	18	3304	Requested
✓ B	Beam	2	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	3	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
✓ B	Beam	4	111	Timber Open Girder/Beam	18	14	4	0	0	4	3304	Requested
✓ B	Beam	5	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	6	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	Requested
✓ B	Beam	7	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	8	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
✓ B	Beam	9	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	10	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	11	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	Requested
✓ B	Beam	12	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	13	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	Requested
✓ B	Beam	14	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	15	111	Timber Open Girder/Beam	18	3	15	0	0	15	3304	Requested
✓ B	Beam	16	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	17	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ B	Beam	18	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
-	Beam	19	111	Timber Open Girder/Beam	18	0	16	2	0	18	3304	Requested
_	Expansion Joints	1	301	Pourable Joint Seal	0	-26	26	0	0	26	3310	Requested

Span Number 3

E	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	431	408	23	0	0	23	3326	Requested
\checkmark	Bridge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
V	Bridge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
\checkmark	Wearing Surfaces		510	Wearing Surface	408	332	52	24	0	76	2816	Requested
$ \mathbf{V} $	Beam	1	111	Timber Open Girder/Beam	18	8	0	10	0	10	3304	Requested
$ \mathbf{V} $	Beam	2	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
\checkmark	Beam	3	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
\checkmark	Beam	4	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
\checkmark	Beam	5	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓	Beam	6	111	Timber Open Girder/Beam	18	16	2	0	0	2	3304	Requested
<u></u>	Beam	7	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
<u></u>	Beam	8	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
\checkmark	Beam	9	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
\overline{V}	Beam	10	111	Timber Open Girder/Beam	18	16	2	0	0	2	3304	Requested
$ \mathbf{V} $	Beam	11	111	Timber Open Girder/Beam	18	11	7	0	0	7	3304	Requested
\overline{V}	Beam	12	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓	Beam	13	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓	Beam	14	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓	Beam	15	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
<u></u>	Beam	16	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
<u></u>	Beam	17	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
$\overline{\mathbf{V}}$	Beam	18	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
V	Beam	19	111	Timber Open Girder/Beam	18	0	16	2	0	18	3304	Requested
	Expansion Joints	1	301	Pourable Joint Seal	0	-20	20	0	0	20	3310	Requested

Span Number 4

Elen	ment 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
✓ De	eck	1	12	Reinforced Concrete Deck	431	408	23	0	0	23	3326	Requested
✓ Bri	idge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ Bri	idge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ We	earing Surfaces		510	Wearing Surface	408	315	69	24	0	93	2816	Requested
✓ Be	eam	1	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Be	eam	2	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	Requested
✓ Be	eam	3	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Be	eam	4	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	Requested
✓ Be	eam	5	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Be	eam	6	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Be	eam	7	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
✓ Be	eam	8	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Be	eam	9	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
✓ Be	eam	10	111	Timber Open Girder/Beam	18	11	7	0	0	7	3304	Requested
✓ Be	eam	11	111	Timber Open Girder/Beam	18	11	7	0	0	7	3304	Requested
✓ Be	eam	12	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Be	eam	13	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Be	eam	14	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
✓ Be	eam	15	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	Requested
✓ Be	eam	16	111	Timber Open Girder/Beam	18	14	4	0	0	4	3304	Requested
✓ Be	eam	17	111	Timber Open Girder/Beam	18	9	9	0	0	9	3304	Requested
✓ Be	eam	18	111	Timber Open Girder/Beam	18	4	14	0	0	14	3304	Requested
✓ Be	eam	19	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
Ex	cpansion Joints	1	301	Pourable Joint Seal	0	-10	10	0	0	10	3310	Requested

Span Number 5

	Location	Element		Total	Level 1	Level 2	Level 3	Level 4	Maint.	Maint.	Priority
Element Location	Number	Number	Element Name	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Code	Maintenance
✓ Deck	1	12	Reinforced Concrete Deck	431	408	23	0	0	23	3326	Requested
✓ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ Wearing Surfaces		510	Wearing Surface	408	329	53	26	0	79	2816	Requested
✓ Beam	1	111	Timber Open Girder/Beam	18	9	9	0	0	9	3304	Requested
✓ Beam	2	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
 ✓ Beam	3	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	Requested
✓ Beam	4	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	5	111	Timber Open Girder/Beam	18	17	0	1	0	1	3304	Requested
Beam	6	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	Requested
✓ Beam	7	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	8	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	9	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
 ✓ Beam	10	111	Timber Open Girder/Beam	18	16	2	0	0	2	3304	Requested
✓ Beam	11	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	Requested
✓ Beam	12	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
 ✓ Beam	13	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	14	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	Requested
Beam	15	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
 ✓ Beam	16	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	17	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	18	111	Timber Open Girder/Beam	18	0	12	0	6	18	3304	Requested
✓ Beam	19	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
Expansion Joints	1	301	Pourable Joint Seal	0	-20	20	0	0	20	3310	Requested

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
V	Deck	1	12	Reinforced Concrete Deck	431	408	23	0	0	23	3326	Requested
$\overline{\mathbf{V}}$	Bridge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
\overline{V}	Bridge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
$\overline{\mathbf{V}}$	Wearing Surfaces		510	Wearing Surface	408	319	65	24	0	89	2816	Requested
$ \sqrt{} $	Beam	1	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
$ \mathbf{\nabla} $	Beam	2	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
$ \mathbf{V} $	Beam	3	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
$ \mathbf{V} $	Beam	4	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
$ \mathbf{V} $	Beam	5	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
V	Beam	6	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
V	Beam	7	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
\overline{V}	Beam	8	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
\overline{V}	Beam	9	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
\overline{V}	Beam	10	111	Timber Open Girder/Beam	18	4	14	0	0	14	3304	Requested
V	Beam	11	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
\overline{V}	Beam	12	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	Requested
V	Beam	13	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
\overline{V}	Beam	14	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	Requested
V	Beam	15	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
$\overline{\mathbf{V}}$	Beam	16	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	Requested
V	Beam	17	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
V	Beam	18	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
V	Beam	19	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
	Expansion Joints	1	301	Pourable Joint Seal	0	-10	10	0	0	10	3310	Requested

Span Number 7

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	431	408	23	0	0	23	3326	Requested
✓ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	17	17	0	0	0	0	3318	Requested
✓ Wearing Surfaces		510	Wearing Surface	408	332	52	24	0	76	2816	Requested
✓ Beam	1	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	2	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	3	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
✓ Beam	4	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	5	111	Timber Open Girder/Beam	18	13	5	0	0	5	3304	Requested
✓ Beam	6	111	Timber Open Girder/Beam	18	9	9	0	0	9	3304	Requested
✓ Beam	7	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	Requested
✓ Beam	8	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	Requested
✓ Beam	9	111	Timber Open Girder/Beam	18	16	2	0	0	2	3304	Requested
✓ Beam	10	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	11	111	Timber Open Girder/Beam	18	6	0	6	6	12	3304	Requested
✓ Beam	12	107	Steel Open Girder/Beam	18	0	14	4	0	18	3314	Requested
Protective System		515	Steel Protective Coating	58	0	0	0	58	58	3342	
Beam	12	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	13	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	14	111	Timber Open Girder/Beam	18	17	1	0	0	1	3304	Requested
✓ Beam	15	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	Requested
✓ Beam	16	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
✓ Beam	17	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	Requested
✓ Beam	18	111	Timber Open Girder/Beam	18	3	15	0	0	15	3304	Requested
✓ Beam	19	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	Requested
✓ Beam	20	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	Requested
Expansion Joints	1	301	Pourable Joint Seal	0	-15	15	0	0	15	3310	Requested

Span Number 8

	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	442	419	23	0	0	23	3326	Requested
V	Bridge Rail	1	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	Requested
V	Bridge Rail	2	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	Requested
✓	Wearing Surfaces		510	Wearing Surface	419	335	56	28	0	84	2816	Requested
✓	Beam	1	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
✓	Beam	2	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	3	111	Timber Open Girder/Beam	19	11	8	0	0	8	3304	Requested
\checkmark	Beam	4	111	Timber Open Girder/Beam	19	16	3	0	0	3	3304	Requested
\checkmark	Beam	5	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	6	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
✓	Beam	7	111	Timber Open Girder/Beam	19	12	7	0	0	7	3304	Requested
✓	Beam	8	111	Timber Open Girder/Beam	19	7	12	0	0	12	3304	Requested
✓	Beam	9	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	10	111	Timber Open Girder/Beam	19	9	10	0	0	10	3304	Requested
$\overline{\mathbf{V}}$	Beam	11	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	12	111	Timber Open Girder/Beam	19	10	9	0	0	9	3304	Requested
\checkmark	Beam	13	111	Timber Open Girder/Beam	19	7	12	0	0	12	3304	Requested
\checkmark	Beam	14	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	15	111	Timber Open Girder/Beam	19	19	0	0	0	0	3304	Requested
\checkmark	Beam	16	111	Timber Open Girder/Beam	19	16	3	0	0	3	3304	Requested
\overline{V}	Beam	17	111	Timber Open Girder/Beam	19	14	5	0	0	5	3304	Requested
	Beam	18	111	Timber Open Girder/Beam	19	15	4	0	0	4	3304	Requested
	Beam	19	111	Timber Open Girder/Beam	19	0	19	0	0	19	3304	Requested
	Expansion Joints	1	301	Pourable Joint Seal	26	11	15	0	0	15	3310	Requested

Superstructure Element Defect Descriptions

Structure Number: 500239 Inspection Date: 10/21/2015 Span Number 1 Deck Component Name: Reinforced Concrete Deck Span 1 Element: 12 Name Reinforced Concrete Deck 442 Lvl 2: Qty: 23 Lvl 3 0 LvI 4 0 Maint. Qty 23 Defect Description: 35 Square Feet of asphalt patching along the Right side gutter-line. 23 Square Feet of Abrasion/Wear along deck curbs (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. Span 1 Bridge Rail 2 Component Name: Concrete Railing Name Reinforced Concrete Bridge Ra Qty: 18 Lvl 2: Element: 331 0 LvI 3 1 Lvl 4 0 Maint. Qty 1 Defect Description: 1 Foot of Spalling in the end post at End Bent 1: Spall greater than 1 in. deep or greater than 6 in. diameter. Wearing Surfaces Component Name: Asphalt Wearing Surface Span 1 23 LvI 3 Element: 510 Name Wearing Surface Qty: 419 Lvl 2: 24 LvI 4 47 0 Maint. Qty Defect Description: 24 Square Feet of Cracking over End Bent 1 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 23 Square Feet of concrete patching in the Northbound lane at Bent 1. Component Name: Timber Joist Span 1 Name Timber Open Girder/Beam Element: 111 Qty: 19 Lvl 2: 17 LvI 3 2 LvI 4 0 Maint. Qty 19 Defect Description: 19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. The splice block is decayed through at bent 1. Span 1 Beam Component Name: **Timber Joist** Name Timber Open Girder/Beam Qty: 19 I vI 2: Element: 111 10 I vI 3 0 I vI 4 0 Maint. Qty 10 Defect Description: 10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam Component Name: **Timber Joist** Span 1 Name Timber Open Girder/Beam Element: 111 Qty: 19 Lvl 2: 19 LvI 3 0 LvI 4 0 Maint. Qty 19 Defect Description: 19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Timber Joist Beam 4 Component Name: Span 1 Name Timber Open Girder/Beam Qty: 19 Lvl 2: Element: 111 8 Lvl 3 0 LvI 4 0 Maint. Qty 8 Defect Description: 8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam Component Name: **Timber Joist** Span 1 Element: 111 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 19 LvI 3 0 LvI 4 0 Maint. Qty 19 Defect Description: 19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 1 Component Name: Timber Joist Element: 111 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 10 LvI 3 0 LvI 4 0 Maint. Qty 10 Defect Description: 10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 1 Beam 9 Component Name: **Timber Joist** Name Timber Open Girder/Beam Element: 111 Qty: 19 Lvl 2: 19 I vI 3 0 LvI 4 0 Maint. Qty 19

Defect Description:

10 Foot of Chack/Shake: Panetrates 5%	- 50% of the thickness of the member and not in a tension zone.
19 reet of Check/Shake. Penetrates 5%	- 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	10	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	19 Lvl 2:	3 Lvl 3	0 Lvl 4	0 Maint. Qty	3
Defect Descrip	tion:							

3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	11	Coi	mponent Name:	Timber Joist				
Element: 111	Name Ti	mber Open Girder/Beam	Qty:	19 Lvl 2:	19 Lvl 3	0 Lvl 4	0 Maint. Qty	19	
Defect Descrip	otion:								

19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	12	Co	mponent Name:	Timber Joist			
Element: 111	Name Tim	nber Open Girder/Beam	Qty:	19 Lvl 2:	8 Lvl 3	0 Lvl 4	0 Maint. Qty	8
Defect Descrip	otion:							

8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	13	Co	mponent Name:	Timber Joist			
Element: 111	Name Ti	mber Open Girder/Beam	Qty:	19 Lvl 2:	4 Lvl 3	0 Lvl 4	0 Maint. Qty	4
Defect Descrip	otion:							

4 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	14	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	19 Lvl 2:	6 Lvl 3	0 Lvl 4	0 Maint. Qty	6
Defect Descrip	tion:							

6 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	16	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	19 Lvl 2:	19 Lvl 3	0 Lvl 4	0 Maint. Qty	19
Defect Descrip	tion:							

19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	17	Co	mponent Name:	Timber Joist			
Element: 111	Name Ti	mber Open Girder/Beam	Qty:	19 Lvl 2:	19 Lvl 3	0 Lvl 4	0 Maint. Qty	19
Defect Descrip	otion:							

19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	18	Co	omponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	19 Lvl 2:	7 Lvl 3	0 Lvl 4	0 Maint. Qty	7
Defect Descrip	otion:							

7 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 1	Beam	19	Co	mponent Name:	Timber Joist			
Element: 111	Name Tin	nber Open Girder/Beam	Qty:	19 Lvl 2:	0 Lvl 3	2 Lvl 4	0 Maint. Qty	2
Defect Descrip	tion:							

2 Feet of Decay: The splice block is decayed through at bent 1.

Span Number 2

Span 2	Deck	1	Co	omponent Name:	Reinforced C	Concrete Deck		
Element: 12	Name F	Reinforced Concrete Deck	Qty:	431 Lvl 2:	23 Lvl 3	0 Lvl 4	0 Maint. Qty	23
Defect Descrip	tion:							

³⁵ Square Feet of asphalt patching along the Right side gutter-line.

²³ Square Feet of Abrasion/Wear along deck curbs(PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete.

Structure Number: 500239 Inspection Date: 10/21/2015 Span 2 Wearing Surfaces Component Name: Asphalt Wearing Surface Qty: 408 Lvl 2: 12 LvI 4 Element: 510 Name Wearing Surface 51 LvI 3 0 Maint. Qty 63 Defect Description: 12 Square Feet of Cracking over Bent 1 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 51 Square Feet of abrasion (longitudinal bands) throughout Wearing surface. Component Name: Span 2 Beam **Timber Joist** Name Timber Open Girder/Beam Qty: 18 Lvl 2: 16 LvI 3 Element: 111 2 LvI 4 18 0 Maint. Qty Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. 2 Feet of Decay: The splice block is decayed through at bent 2. 3 Component Name: Timber Joist Beam Span 2 Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 5 Lvl 3 0 LvI 4 0 Maint. Qty 5 Defect Description: 5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam Component Name: Timber Joist Span 2 Name Timber Open Girder/Beam Element: 111 Qty: 18 Lvl 2: 4 Lvl 3 0 LvI 4 0 Maint. Qty 4 Defect Description: 4 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 2 Beam 6 Component Name: **Timber Joist** Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 12 LvI 3 0 I vI 4 0 Maint. Qty 12 Defect Description: 12 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 2 Beam 8 Component Name: Timber Joist Name Timber Open Girder/Beam Qty: 18 Lvl 2: Element: 111 3 Lvl 3 0 LvI 4 3 0 Maint. Qty Defect Description: 3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 11 Component Name: Timber Joist Span 2 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 8 LvI3 0 LvI 4 0 Maint. Qtv 8 Element: 111 **Defect Description:** 8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone Beam 13 Component Name: **Timber Joist** Span 2 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 0 LvI 4 Element: 111 8 LvI3 0 Maint. Qty 8 Defect Description: 8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 2 Beam Component Name: **Timber Joist** Name Timber Open Girder/Beam 18 Lvl 2: 15 LvI 3 Element: 111 Qty: 0 LvI 4 0 Maint. Qty 15 Defect Description: 15 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. **Timber Joist** Beam Component Name: Span 2 19 Name Timber Open Girder/Beam Element: 111 Qty: 18 Lvl 2: 16 LvI 3 2 Lvl 4 0 Maint. Qty 18 Defect Description:

- 18 Feet of Check/Shake: Penetrates 5% 50% of the thickness of the member and not in a tension zone.
- 2 Feet of Decay: The splice block is decayed through at bent 2.

Structure Number: 500239 Inspection Date: 10/21/2015 Span 2 Expansion Joints 1 Component Name: Standard Joint Name Pourable Joint Seal Qty: 0 I vI 2: Element: 301 26 Lvl 3 0 LvI 4 0 Maint. Qty 26 Defect Description: 26 Feet of Leakage: Minimal. Minor dripping through the joint. Span Number 3 Deck Component Name: Reinforced Concrete Deck Span 3 Qty: 431 Lvl 2: Name Reinforced Concrete Deck 23 LvI 3 Element: 12 0 LvI 4 0 Maint. Qty 23 Defect Description: 23 Square Feet of Abrasion/Wear along deck curbs (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. 35 Square Feet of asphalt patching along the Right side gutter-line. Wearing Surfaces Component Name: Asphalt Wearing Surface Span 3 Name Wearing Surface Qty: 408 Lvl 2: Element: 510 52 I vI 3 24 LvI 4 0 Maint. Qty 76 Defect Description: 24 Square Feet of Cracking over Bent 2 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1 Square Foot Pothole in the Southbound lane. Partial depth pothole. 51 Square Feet abrasion (longitudinal bands) throughout Wearing surface. Beam Component Name: **Timber Joist** Span 3 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 10 LvI 4 Element: 111 0 Lvl 3 0 Maint. Qty 10 Defect Description: 8 Feet of Split/Delamination (Timber): Length equal to or greater than the member depth but does not require structural review. 2 Feet of Decay: The splice block is decayed through at bent 1. Span 3 Beam Component Name: Timber Joist Name Timber Open Girder/Beam Qty: 18 Lvl 2: 2 Lvl 3 0 LvI 4 0 Maint. Qty 2 Element: 111 Defect Description: 2 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 3 Ream Component Name: Timber Joist Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 3 Lvl 3 0 LvI 4 0 Maint. Qty 3 Defect Description: 3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Component Name: Span 3 Beam 10 **Timber Joist** Name Timber Open Girder/Beam 18 Lvl 2: Qty: Element: 111 2 Lvl 3 0 Lvl 4 0 Maint. Qty 2 Defect Description: 2 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 3 Beam 11 Component Name: **Timber Joist** Name Timber Open Girder/Beam 18 Lvl 2: 7 Qty: 7 Lvl 3 0 LvI 4 Element: 111 0 Maint. Qty Defect Description: 7 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 13 Component Name: **Timber Joist** Span 3 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 LvI 3 0 LvI 4 0 Maint. Qty 18 Element: 111 Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Structure Number: 500239 Inspection Date: 10/21/2015 Beam 17 Component Name: **Timber Joist** Span 3 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 LvI 3 0 LvI 4 Element: 111 0 Maint. Qty 18 Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Component Name: Timber Joist Span 3 Beam 19 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 16 LvI 3 2 Lvl 4 18 Element: 111 0 Maint. Qty Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. 2 Feet of Decay: The splice block is decayed through at bent 1. Expansion Joints 1 Component Name: Standard Joint Span 3 Name Pourable Joint Seal Qty: 0 Lvl 2: 20 Lvl 3 0 LvI 4 0 Maint. Qty 20 Element: 301 Defect Description: 20 Feet of Leakage: Minimal. Minor dripping through the joint. Span Number 4 Deck Component Name: Reinforced Concrete Deck Span 4 Element: 12 Name Reinforced Concrete Deck Qty: 431 Lvl 2: 23 LvI 3 0 LvI 4 23 0 Maint. Qty Defect Description: 23 Square Feet of Abrasion/Wear along deck curbs (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. 35 Square Feet of asphalt patching along the Right side gutter-line. Wearing Surfaces Component Name: Asphalt Wearing Surface Span 4 Element: 510 Name Wearing Surface Qty: 408 Lvl 2: 69 LvI 3 24 LvI 4 0 Maint. Qty 93 Defect Description: 24 Square Feet of Cracking over Bent 3 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 1 Square Foot Pothole in the Northbound lane. Partial depth pothole. 68 Square Feet of abrasion (longitudinal bands) throughout Wearing surface. Ream Component Name: Timber Joist Span 4 Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 6 Lvl 3 0 LvI 4 0 Maint. Qty 6 Defect Description: 6 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 4 Beam 3 Component Name: **Timber Joist** Name Timber Open Girder/Beam 18 Lvl 2: Qty: Element: 111 18 LvI 3 0 Lvl 4 0 Maint. Qty 18 Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 4 Beam 4 Component Name: Timber Joist Name Timber Open Girder/Beam 18 Lvl 2: Qty: 8 Lvl 3 Element: 111 0 LvI 4 0 Maint. Qty 8 Defect Description: 8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Component Name: **Timber Joist** Span 4 Beam Name Timber Open Girder/Beam Qty: 18 Lvl 2: 5 Lvl 3 0 LvI 4 5 Element: 111 0 Maint. Qty Defect Description:

Structure Number	: 500239						Inspection Date:	10/21/2015
Span 4	Beam	8	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
18 Feet of (Check/Shal	ke: Penetrates 5% - 50% c	of the thic	kness of the mem	ber and not in	a tension zo	one.	
Span 4	Beam	9	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	3 Lvl3	0 Lvl 4	0 Maint. Qty	3
3 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	tension zor	ne.	
Span 4	Beam	10	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	7 Lvl 3	0 Lvl 4	0 Maint. Qty	7
7 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	tension zor	ne.	
Span 4	Beam	11	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	7 Lvl 3	0 Lvl 4	0 Maint. Qty	7
7 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	a tension zor	ne.	
Span 4	Beam	12		omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
18 Feet of (Check/Shal	ke: Penetrates 5% - 50% c	of the thic	kness of the mem	ber and not in	a tension zo	one.	
Span 4	Beam	14	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
5 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	tension zor	ne.	
Span 4	Beam	15	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	6 Lvl 3	0 Lvl 4	0 Maint. Qty	6
6 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	tension zor	ne.	
Span 4	Beam	16	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	4 Lvl 3	0 Lvl 4	0 Maint. Qty	4
4 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	a tension zor	ne.	
Span 4	Beam	17	С	omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	9 Lvl 3	0 LvI 4	0 Maint. Qty	9
9 Feet of Ch	neck/Shake	e: Penetrates 5% - 50% of	the thick	ness of the memb	er and not in a	a tension zor	ne.	
Span 4	Beam	18		omponent Name:	Timber Joist			
Element: 111 Defect Descript		Timber Open Girder/Beam	Qty:	18 Lvl 2:	14 Lvl 3	0 Lvl 4	0 Maint. Qty	14
14 Feet of (Check/Shal	ke: Penetrates 5% - 50% c	of the thic	kness of the mem	ber and not in	a tension zo	one.	
Span 4	Beam	19		omponent Name:	Timber Joist			
Element: 111 Defect Descript	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 4	Expansion Joints 1	Con	nponent Name:	Standard Joint			
Element: 301	Name Pourable Joint Seal	Qty:	0 Lvl 2:	10 Lvl 3	0 Lvl 4	0 Maint. Qty	10

Defect Description:

10 Feet of Leakage: Minimal. Minor dripping through the joint.

Span Number 5

Span 5	Deck	1	С	omponent Name:	Reinforced C	Concrete Deck		
Element: 12	Name R	einforced Concrete Deck	Qty:	431 Lvl 2:	23 Lvl 3	0 Lvl 4	0 Maint. Qty	23
Defect Descrip	otion:							

23 Square Feet of Abrasion/Wear along deck curbs(PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete.

35 Square Feet of asphalt patching along the Right side gutter-line.

Span 5	Wearing Surfaces	Co	mponent Name:	Asphalt We	aring Surface		
Element: 510	Name Wearing Surface	Qty:	408 Lvl 2:	53 Lvl 3	26 Lvl 4	0 Maint. Qty	79
Defect Descrip	tion:						

- 24 Square Feet of Cracking over Bent 4 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.
- 51 Square Feet of abrasion (longitudinal bands) throughout Wearing surface.
- 2 Square Feet of Patching in Wearing surface. Patched areas that are sound.
- 2 Square Feet of Patching. Patched areas that are unsound.

Span 5	Beam	1	Co	mponent Name:	Timber Joist			
Element: 111	Name T	Timber Open Girder/Beam	Qty:	18 Lvl 2:	9 Lvl 3	0 Lvl 4	0 Maint. Qty	9
Defect Descrip	otion:							

9 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 5	Beam	2	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	tion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 5	Beam	3	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	10 Lvl 3	0 Lvl 4	0 Maint. Qty	10
Defect Descrip	otion:							

10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 5	Beam	5	Co	omponent Name:	Timber Joist			
Element: 111	Name T	Timber Open Girder/Beam	Qty:	18 Lvl 2:	0 Lvl 3	1 Lvl 4	0 Maint. Qty	1
Defect Descrip	otion:							

1 Foot of Split/Delamination (Timber): Length equal to or greater than the member depth but does not require structural review.

Span 5	Beam	6	Co	omponent Name:	Timber Joist			
Element: 111	Name ⁻	Timber Open Girder/Beam	Qty:	18 Lvl 2:	8 Lvl 3	0 Lvl 4	0 Maint. Qty	8
Defect Descrip	tion:							

8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 5	Beam	9	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	3 Lvl 3	0 Lvl 4	0 Maint. Qty	3
Defect Descrip	tion:							

3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Structure Numbe	r: 500239 Beam	10	Co	omponent Name:	Timber Joist		Inspection Date: 10/2	21/2015
Span 5 Element: 111		Timber Open Girder/Beam	Qty:	18 Lvl 2:	2 Lvl 3	0 Lvl 4	0 Maint. Qty	2
Defect Descrip		Timber Open Oliden beam	Qty.	TO EVIZ.	2 LVI3	O LVI4	0 Maint. Qty	2
2 Feet of C	heck/Shak	e: Penetrates 5% - 50% of	the thickn	less of the memb	per and not in a	tension zo	ne	
Span 5	Beam	11		omponent Name:	Timber Joist	1011010111 20		
Element: 111		Timber Open Girder/Beam	Qty:	18 Lvl 2:	6 Lvl 3	0 Lvl 4	0 Maint. Qty	6
Defect Descrip		·	ŕ				 ,	-
	_	e: Penetrates 5% - 50% of				tension zo	ne.	
Span 5	Beam	12		omponent Name:	Timber Joist			
Element: 111 Defect Descrip		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
18 Feet of	Check/Sha	ke: Penetrates 5% - 50% o	of the thick	ness of the mem	ber and not in a	a tension z	one.	
Span 5	Beam	13	Co	omponent Name:	Timber Joist			
Element: 111 Defect Descrip		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl4	0 Maint. Qty	18
18 Feet of (Check/Sha	ke: Penetrates 5% - 50% o	of the thick	ness of the mem	nber and not in a	a tension z	one	
Span 5	Beam	14		omponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	6 Lvl 3	0 Lvl 4	0 Maint. Qty	6
Defect Descrip	tion:	·	ŕ				·	Č
	_	e: Penetrates 5% - 50% of				tension zo	ne.	
Span 5	Beam	15	_	omponent Name:	Timber Joist			
Element: 111 Defect Descrip	tion:	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
	_	ke: Penetrates 5% - 50% o				a tension z	one.	
Span 5	Beam	Timber Ones Ointer/Person		omponent Name:	Timber Joist	0 1 1 1		
Element: 111 Defect Descrip		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl4	0 Maint. Qty	18
18 Feet of	Check/Sha	ke: Penetrates 5% - 50% o	of the thick	ness of the mem	nber and not in a	a tension z	one.	
Span 5	Beam	17	Co	mponent Name:	Timber Joist			
Element: 111 Defect Descrip		Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
18 Feet of	Check/Sha	ke: Penetrates 5% - 50% o	of the thick	ness of the mem	nber and not in a	a tension z	one.	
Span 5	Beam	18		omponent Name:	Timber Joist	2 (0)(0)011 2	51161	ů,
Element: 111 Defect Descrip		Timber Open Girder/Beam	Qty:	18 Lvl 2:	12 Lvl 3	0 Lvl 4	6 Maint. Qty	18
		ay 6 in high x 6 in wide x 5 ke: Penetrates 5% - 50% o	of the thick					
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip		•	,				 ,	
18 Feet of	Check/Sha	ke: Penetrates 5% - 50% o	of the thick	ness of the mem	ber and not in a	a tension z	one.	
Span 5	Expansion	n Joints 1	Co	mponent Name:	Standard Joint			

20 Feet of Leakage: Minimal. Minor dripping through the joint.

Span I	\	lumbe	er 6
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Span 6	Deck	1	Component Name:			Reinforced Concrete Deck			
Element: 12	Name F	Reinforced Concrete Deck	Qty:	431 Lvl 2		23 Lvl 3	0 Lvl 4	0 Maint. Qty	23
Defect Descrip	otion:								

23 Square Feet of Abrasion/Wear along deck curbs(PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete.

35 Square Feet of asphalt patching along the Right side gutter-line.

Span 6	Wearing Surfaces	Co	mponent Name:	Asphalt We	aring Surface		
Element: 510	Name Wearing Surface	Qty:	408 Lvl 2:	65 Lvl 3	24 Lvl 4	0 Maint. Qty	89
Defect Descrip	tion:						

65 Square Feet of abrasion (longitudinal bands) throughout Wearing surface.

24 Square Feet of Cracking over Bent 5 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span 6	Beam	1	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
Defect Descrip	tion:							

5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	3	Co	mponent Name:	Timber Joist			
Element: 111	Name 7	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	tion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	5	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descri	iption:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	6	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
Defect Descrip	otion:							

5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	7	Co	mponent Name:	Timber Joist			
Element: 111	Name T	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	tion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	8	Co	mponent Name:	Timber Joist			
Element: 111	Name Tin	nber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	9	Co	omponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	tion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	10	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	14 Lvl 3	0 Lvl 4	0 Maint. Qty	14
Defect Descrip	tion:							

4.4 Fact of Chaple/Challes Department of FO/	FOO/ of the thickness of the manufacture at the standard
14 Feet of Check/Shake, Feheliales 5%	- 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	11	Co	mponent Name:	Timber Joist			
Element: 111 Defect Descrip		imber Open Girder/Beam	Qty:	18 Lvl 2:	3 Lvl 3	0 Lvl 4	0 Maint. Qty	3

3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	12	Co	mponent Name:	Timber Joist			
Element: 111	Name 7	Γimber Open Girder/Beam	Qty:	18 Lvl 2:	10 Lvl 3	0 Lvl 4	0 Maint. Qty	10
Defect Descrip	tion:							

10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	13	Co	mponent Name:	Timber Joist				
Element: 111	Name Ti	mber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18	
Defect Descrip	tion:								

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	14	Co	mponent Name:	Timber Joist			
Element: 111	Name Tir	mber Open Girder/Beam	Qty:	18 Lvl 2:	10 Lvl 3	0 Lvl 4	0 Maint. Qty	10
Defect Descrip	otion:							

10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	15	Co	Component Name: T				
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	tion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	16	Co	mponent Name:	Timber Joist			
Element: 111	Name Tim	nber Open Girder/Beam	Qty:	18 Lvl 2:	12 Lvl 3	0 Lvl 4	0 Maint. Qty	12
Defect Descrip	otion:							

12 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	18	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Beam	19	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 6	Expansion Joints 1	Cor	nponent Name:	Standard Joi	nt		
Element: 301	Name Pourable Joint Seal Qty:		0 Lvl 2:	10 Lvl 3	0 Lvl 4	0 Maint. Qty	10
Defect Descrip	tion:						

10 Feet of Leakage: Minimal. Minor dripping through the joint.

Span Number 7

Span 7	Deck	1	Co	mponent	t Name:	Reinforced C	oncrete Deck		
Element: 12	Name F	Reinforced Concrete Deck	Qty:	431 L	_vl 2:	23 Lvl 3	0 Lvl 4	0 Maint. Qty	23
Defect Descrip	otion:								

23 Square Feet of Abrasion/Wear along deck curbs (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete.

25 Square Feet of asphalt patching along the Right side gutter-line.

•		•	•			
Span 7	Wearing Surfaces		Component Name:	Asphalt Wearing Surface		
Element: 510	Name Wearing Surface	Qty:	408 Lvl 2:	52 Lvl 3 24 Lvl 4	0 Maint. Qty	76

Defect Description:

- 24 Square Feet of Cracking over Bent 6 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.
- 51 Square Feet of abrasion (longitudinal bands) throughout Wearing surface.
- 1 Square Foot Patch in the Southbound lane at Bent 7. Patched area that is sound.

Span 7	Beam	1	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	2	Co	omponent Name:	Timber Joist			
Element: 111	Name Ti	imber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	3	Co	mponent Name:	Timber Joist			
Element: 111	Name T	imber Open Girder/Beam	Qty:	18 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
Defect Descrip	otion:							

5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	4	Co	mponent Name:	Timber Joist			
Element: 111	Name Tin	nber Open Girder/Beam	Qty:	18 Lvl 2:	18 Lvl 3	0 Lvl 4	0 Maint. Qty	18
Defect Descrip	otion:							

18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	5	Co	mponent Name:	Timber Joist			
Element: 111	Name Ti	mber Open Girder/Beam	Qty:	18 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
Defect Descrip	otion:							

5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	6	Co	mponent Name:	Timber Joist			
Element: 111	Name Ti	imber Open Girder/Beam	Qty:	18 Lvl 2:	9 Lvl 3	0 Lvl 4	0 Maint. Qty	9
Defect Descrip	otion:							

9 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	7	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	8 Lvl 3	0 Lvl 4	0 Maint. Qty	8
Defect Descrip	tion:							

8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	8	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	6 Lvl 3	0 Lvl 4	0 Maint. Qty	6
Defect Descrip	tion:							

6 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 7	Beam	9	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	18 Lvl 2:	2 Lvl 3	0 Lvl 4	0 Maint. Qty	2
Defect Descrip	tion:							

2 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Structure Number: 500239 Inspection Date: 10/21/2015 Beam Component Name: **Timber Joist** Span 7 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 6 LvI 4 0 LvI 3 Element: 111 6 Maint. Qty 12 Defect Description: 6 Feet of Crack (Timber): The joist is split through near bent 6 a steel beam has been placed to the right side as a replacement. 6 Feet of Split/Delamination (Timber): Length equal to or greater than the member depth but does not require structural review. 12 Component Name: S Beam Span 7 Beam Name Steel Open Girder/Beam Qty: 18 Lvl 2: 14 LvI 3 Element: 107 4 Lvl 4 18 0 Maint. Qty Defect Description: 2 Feet of Corrosion: Section loss in the bent 6 end with 3/16 in remaining in the web 2 in high and 3/16 in remaining in the bottom flange. 2 Feet of Corrosion: Section loss in the bent 7 end with 1/8 in remaining in the bottom of web 2 in high and bottom flange down to knife edge. 14 Feet of Corrosion: Freckled Rust, Corrosion of the steel has initiated. 58 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal. Span 7 Component Name: **Timber Joist** Name Timber Open Girder/Beam Qty: 18 I vl 2: Element: 111 1 LvI 3 0 LvI 4 0 Maint. Qty 1 Defect Description: 1 Foot of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Component Name: Timber Joist Span 7 Beam Name Timber Open Girder/Beam Qty: 18 Lvl 2: 3 LvI 3 0 LvI 4 Element: 111 0 Maint. Qty 3 Defect Description: 3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam Component Name: **Timber Joist** Span 7 17 Name Timber Open Girder/Beam Element: 111 Qty: 18 Lvl 2: 18 LvI 3 0 LvI 4 0 Maint. Qty 18 Defect Description: 18 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 18 Component Name: Timber Joist Span 7 Name Timber Open Girder/Beam Element: 111 Qty: 18 Lvl 2: 15 LvI 3 0 LvI 4 0 Maint. Qty 15 Defect Description: 15 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. 19 Beam Component Name: **Timber Joist** Span 7 Name Timber Open Girder/Beam 18 Lvl 2: Qty: 10 LvI 3 Element: 111 0 Lvl 4 0 Maint. Qty 10 Defect Description: 10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Standard Joint Span 7 Expansion Joints 1 Component Name: Element: 301 Name Pourable Joint Seal Qty: 0 Lvl 2: 15 LvI 3 0 LvI 4 15 0 Maint. Qty Defect Description: 15 Feet of Leakage: Minimal. Minor dripping through the joint. Span Number 8

Qty:

Component Name:

442 Lvl 2:

Reinforced Concrete Deck

0 LvI 4

0 Maint. Qty

23

23 LvI 3

Name Reinforced Concrete Deck

Span 8

Element: 12
Defect Description:

Deck

²³ Square Feet of Abrasion/Wear along deck curbs (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete.

³⁵ Square Feet of asphalt patching along the Right side gutter-line.

Structure Number: 500239 Inspection Date: 10/21/2015 Wearing Surfaces Component Name: Asphalt Wearing Surface Span 8 Qty: 419 Lvl 2: 28 Lvl 4 Element: 510 Name Wearing Surface 56 LvI 3 0 Maint. Qty 84 Defect Description: 28 Square Feet of Cracking over Bent 7 and End Bent 2 (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 51 Square Feet of abrasion (longitudinal bands) throughout Wearing surface. 5 Square Feet of Patching at End Bent 2. Patched area that is sound. Beam Component Name: Timber Joist Span 8 Element: 111 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 19 LvI 3 0 LvI 4 0 Maint. Qty 19 Defect Description: 19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 3 Component Name: Timber Joist Span 8 Name Timber Open Girder/Beam Element: 111 Qty: 19 Lvl 2: 8 Lvl 3 0 LvI 4 0 Maint. Qty 8 Defect Description: 8 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam Component Name: Timber Joist Span 8 Name Timber Open Girder/Beam Element: 111 Qty: 19 Lvl 2: 3 I vI 3 0 LvI 4 0 Maint. Qty 3 Defect Description: 3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 8 Beam 7 Component Name: Timber Joist Element: 111 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 7 7 I vI 3 0 I vI 4 0 Maint. Qty Defect Description: 7 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 8 Beam 8 Component Name: Timber Joist Name Timber Open Girder/Beam Qty: 19 Lvl 2: Element: 111 12 LvI 3 0 LvI 4 12 0 Maint. Qty Defect Description: 12 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 10 Component Name: Timber Joist Span 8 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 10 LvI 3 0 LvI 4 0 Maint. Qtv 10 Element: 111 **Defect Description:** 10 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Beam 12 Component Name: **Timber Joist** Span 8 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 0 LvI 4 Element: 111 9 Lvl 3 0 Maint. Qty 9 Defect Description: 9 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Span 8 Beam Component Name: **Timber Joist** Name Timber Open Girder/Beam Qty: 19 Lvl 2: 12 LvI 3 Element: 111 0 LvI 4 0 Maint. Qty 12 Defect Description: 12 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. Timber Joist Beam Component Name: Span 8 16 Element: 111 Name Timber Open Girder/Beam Qty: 19 Lvl 2: 3 Lvl 3 0 LvI 4 0 Maint. Qty 3 Defect Description:

3 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Structure Number:	500239	Inspection Date:	10/21/2015
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Span 8	Beam	17	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	19 Lvl 2:	5 Lvl 3	0 Lvl 4	0 Maint. Qty	5
Defect Descrip	tion:							

5 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 8	Beam	18	Co	omponent Name:	Timber Joist			
Element: 111	Name ⁻	Timber Open Girder/Beam	Qty:	19 Lvl 2:	4 Lvl 3	0 Lvl 4	0 Maint. Qty	4
Defect Descrip	otion:							

4 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 8	Beam	19	Co	mponent Name:	Timber Joist			
Element: 111	Name	Timber Open Girder/Beam	Qty:	19 Lvl 2:	19 Lvl 3	0 Lvl 4	0 Maint. Qty	19
Defect Descrip	tion:							

19 Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone.

Span 8	Expansion Joints 1	Co	mponent Name:	Standard Joint					
Element: 301	Name Pourable Joint Seal	Qty:	26 Lvl 2:	15 Lvl 3	0 Lvl 4	0 Maint. Qty	15		
Defect Descrip	tion:								

15 Feet of Leakage: Minimal. Minor dripping through the joint.

Substructure Detailed Element Quantites

Structure Number: 500239 Inspection Date: 10/21/2015

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
✓ Caps	1	235	Timber Pier Cap	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	2	3344	Requested
Piles and Columns	2	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Abutments	1	216	Timber Abutment	30	24	0	6	0	6	3346	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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	6	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	8	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	7	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	7	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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	10	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	0	1	0	10	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	10	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	0	1	0	10	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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	7	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	0	1	0	10	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	0	1	0	10	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	0	1	0	10	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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	6	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	0	1	0	7	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	5	3344	Requested
Piles and Columns	4	228	Timber Pile	1	0	1	0	0	5	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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	5	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	5	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	5	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	4	3344	Requested

Bent 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
✓ Caps	1	235	Timber Pier Cap	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	5	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	4	3344	Requested

Bent 7

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	26	0	26	0	0	26	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	0	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	5	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	3	3344	Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
✓ Caps	1	235	Timber Pier Cap	26	0	26	0	0	0	3344	Requested
✓ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	4	3344	Requested
✓ Piles and Columns	2	228	Timber Pile	1	0	0	1	0	3	3344	Requested
✓ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	30	3344	Requested
✓ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	3	3344	Requested
✓ Abutments	1	216	Timber Abutment	30	15	12	3	0	12	3346	Requested

Substructure Element Defect Descriptions

Structure Number: 500239

Inspection Date: 10/21/2015

End Bent 1	500239						Inspection Date. 10/2	1/2013
End Bent 1	Row 1	Caps	1					
Element: 235 Defect Description		Fimber Pier Cap	Qty:	26 Lvl 2:	26 Lvl 3	0 Lvl 4	0 Maint. Qty	26
26 Feet of C	heck/Shak	e: Penetrates 5%-	50% of the thickr	ness of the mem	eber and not ir	n a tension zo	ne.	
End Bent 1	Row 1	Piles and Columns	1					
Element: 228 Defect Description		Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	2
2 ft of Check	/Shake: Pe	enetrates 5%-50%	of the thickenss	of the member a	and not in the t	ension zone.		
End Bent 1	Row 1	Piles and Columns	2					
Element: 228 Defect Description		Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	4
4 ft of Check	/Shake: Pe	enetrates 5%-50%	of the thickenss	of the member a	and not in the t	ension zone.		
End Bent 1	Row 1	Piles and Columns	3					
Element: 228 Defect Description		Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	4
4 ft of Check	/Shake: Pe	enetrates 5%-50%	of the thickenss	of the member a	and not in the t	ension zone.		
End Bent 1	Row 1	Piles and	4					
Element: 228 Defect Description		Columns Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	4
4 ft of Check	/Shake: Pe	enetrates 5%-50%	of the thickenss	of the member a	and not in the t	ension zone.		
End Bent 1	Row 1	Abutments	1					
Element: 216 Defect Description		Fimber Abutment	Qty:	30 Lvl 2:	0 Lvl 3	6 Lvl 4	0 Maint. Qty	6
		ead board # 3 at le khead board below						
2 Feet of De	cay/in two	boards at left side	of pile 4-2 in high	h x 3 in deep.				
Bent 1	Row 1	Caps	1					
Element: 235 Defect Description		Timber Pier Cap	Qty:	26 Lvl 2:	26 Lvl 3	0 Lvl 4	0 Maint. Qty	26
26 Feet of C	heck/Shak	e in face and botto	m : Penetrates 5	5%-50% of the th	ickness of the	memeber and	d not in a tension zo	ne.
Bent 1	Row 1	Piles and Columns	1					
Element: 228 Defect Description		Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	6
6 feet of Che	eck/Shake:	Penetrates 5%-50	% of the thickens	ss of the membe	er and not in th	e tension zon	e.	
Bent 1	Row 1	Piles and	2					
Element: 228	Nome 7	Columns Fimber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	0 Maint. Qty	8

8 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

Structure Number: 500239 Inspection Date: 10/21/2015 1 Each of Decay/ in span 1 side 1 in deep x 2 in wide at cross brace connection 2 ft long. Piles and Bent 1 Row 1 Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qtv Defect Description: 6.5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 1 Row 1 Piles and Columns Name Timber Pile Qty: 1 Lvl 2: 0 LvI 4 Element: 228 1 I vI 3 0 Maint. Qty Defect Description: 6.5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 2 Row 1 Caps Element: 235 Name Timber Pier Cap 26 Lvl 2: 26 Lvl 3 Qty: 0 I vI 4 0 Maint. Qty 26 Defect Description: 26 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone. Bent 2 Row 1 Piles and Columns Name Timber Pile Element: 228 Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty 10 Defect Description: 1 Each of Decay/ in the span 2 side 6 in diameter x 3/4 in deep below the crossbrace. 9 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 2 Row 1 Piles and Columns Name Timber Pile 1 Lvl 2: 1 LvI 4 Element: 228 Qty: 0 LvI 3 10 0 Maint. Qty Defect Description: 1 Each of Decay/ in the the span 2 side at the cross brace connection 1 in deep x 4 in wide x 8 in high and in the span 3 side 1.5 in deep x 10 in wide x 1 ft high 2 ft above waterline. The crossbrace connection is missing a nut from the bolt. The crossbrace is also decayed 1 in x 3 in x 5 ft long at pile 2. 9 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 2 Piles and Row 1 3 Columns Name Timber Pile Flement: 228 Qty: 1 Lvl 2: 1 I vI 3 0 I vI 4 10 0 Maint. Qty Defect Description: 10 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 2 Row 1 Piles and Columns Name Timber Pile Element: 228 Qty: 1 Lvl 2: 0 LvI 3 1 LvI 4 0 Maint. Qty 10 Defect Description: 1 Each of Decay/ in the crossbrace at pile 4 span 3 side 4 in wide x 18 in long x 3 in deep. 9 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 3 Row 1 Caps Element: 235 Name Timber Pier Cap Qty: 26 I vI 2: 26 Lvl 3 0 LvI 4 0 Maint. Qty 26 Defect Description: 24 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone.

2 Feet of Decay/ in span 4 side crownstrip 1 in deep x 18 in long in bay 2.

Piles and Columns

Right end of cap decayed 1 in deep x 4 in diameter.

Row 1

Bent 3

Defect Descriptio		Timber Pile	Qty:	1 Lvl 2:	1 Lvl 3	0 Lvl 4	Inspection Date: 10/2 0 Maint. Qty	7
7 ft of Check/s	Shake: F	Penetrates 5%-50%	of the thickenss of	of the member a	and not in the to	ension zone.		
Bent 3	Row 1	Piles and	2					
Element: 228 Defect Descriptio		Columns Timber Pile	Qty:	1 Lvl 2:	0 Lvl3	1 Lvl 4	0 Maint. Qty	10
		oan 4 side 5 in x 4 i Penetrates 5%-50%				tension zone		
Bent 3	Row 1	Piles and Columns	3					
Element: 228 Defect Descriptio		Timber Pile	Qty:	1 Lvl 2:	0 Lvl3	1 Lvl 4	0 Maint. Qty	10
		diameter x 2 in dee Penetrates 5%-50%			and not in the	tension zone		
Bent 3	Row 1	Piles and Columns	4					
Element: 228 Defect Descriptio		Timber Pile	Qty:	1 Lvl 2:	0 LvI3	1 Lvl 4	0 Maint. Qty	10
10 ft of Check	/Shake:	e end of the cross b Penetrates 5%-50%	% of the thickenss		and not in the	tension zone		
Bent 4 Element: 235	Row 1	Caps Timber Pier Cap	1 Qty:	26 Lvl 2:	26 Lyl 3	0 Lvl 4	0 Maint. Qty	20
	eck/Sha Row 1	ke: Penetrates 5%-	50% of the thickno	ess of the memo	eber and not ir	n a tension zo	ne.	
Bent 4	Row 1 Name			ess of the memo	eber and not ir	n a tension zo	ne. 0 Maint. Qty	(
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/5	Row 1 Name n: Shake: F	Piles and Columns	Qty:	1 Lvl 2: of the member a	1 Lvl 3	0 Lvl 4		(
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/5	Row 1 Name n: Shake: F	Piles and Columns Timber Pile Penetrates 5%-50%	Qty:	1 Lvl 2: of the member a	1 Lvl 3	0 Lvl 4		6
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and	1 Qty: of the thickenss of ground line 6 in hi	1 Lvl 2: of the member a	1 Lvl 3	0 Lvl 4		
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns	Qty: of the thickenss of ground line 6 in hit Qty: Qty:	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a	1 LvI 3 and not in the to 0 LvI 3 and not in the to	0 LvI 4 ension zone. 1 LvI 4	0 Maint. Qty	
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3 1 Each of Dec	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% oan 5 side at ground Piles and	Qty: of the thickenss of ground line 6 in hit Qty: Qty:	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a	1 LvI 3 and not in the to 0 LvI 3 and not in the to	0 LvI 4 ension zone. 1 LvI 4	0 Maint. Qty	
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F cay/ in sp Row 1 Name	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground	Qty: of the thickenss of ground line 6 in his Qty: Qty: of the thickenss of the thickenss of line 1.5 in deep	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a	1 LvI 3 and not in the to 0 LvI 3 and not in the to	0 LvI 4 ension zone. 1 LvI 4	0 Maint. Qty	-
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F cay/ in sp Row 1 Name n:	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% oan 5 side at ground Piles and Columns	Qty: Of the thickenss of ground line 6 in his Qty: Qty: of the thickenss of line 1.5 in deep 3 Qty:	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a x 12 in high x 8	1 Lvl 3 and not in the to Under the second of the second	0 Lvl 4 ension zone. 1 Lvl 4 ension zone.	0 Maint. Qty 0 Maint. Qty	
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F cay/ in sp Row 1 Name n:	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Columns Timber Pile Timber Pile	Qty: Of the thickenss of ground line 6 in his Qty: Qty: of the thickenss of line 1.5 in deep 3 Qty:	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a x 12 in high x 8	1 Lvl 3 and not in the to Under the second of the second	0 Lvl 4 ension zone. 1 Lvl 4 ension zone.	0 Maint. Qty 0 Maint. Qty	7
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 5 ft of Check/3	Row 1 Name n: Shake: F cay/ 1 in Name n: Shake: F cay/ in sp Row 1 Name n: Shake: F Row 1 Name Name	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Columns Timber Pile	Qty: Of the thickenss of ground line 6 in his 2 Qty: Of the thickenss of line 1.5 in deep 3 Qty: Of the thickenss of thi	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a x 12 in high x 8	1 Lvl 3 and not in the to Under the second of the second	0 Lvl 4 ension zone. 1 Lvl 4 ension zone.	0 Maint. Qty 0 Maint. Qty	-
Bent 4 Element: 228 Defect Descriptio 6 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 7 ft of Check/3 1 Each of Dec Bent 4 Element: 228 Defect Descriptio 5 ft of Check/3 Bent 4 Element: 228 Defect Descriptio	Row 1 Name n: Shake: F cay/ 1 in Row 1 Name n: Shake: F cay/ in sp Row 1 Name n: Shake: F Row 1 Name n:	Piles and Columns Timber Pile Penetrates 5%-50% deep in left side at Piles and Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Columns Timber Pile Penetrates 5%-50% dean 5 side at ground Columns Timber Pile	Qty: Of the thickenss of ground line 6 in hire Qty: Qty: Of the thickenss of line 1.5 in deep 3 Qty: Of the thickenss of line 1.5 in deep 4 Qty:	1 Lvl 2: of the member a gh. 1 Lvl 2: of the member a x 12 in high x 8 1 Lvl 2: of the member a 1 Lvl 2:	1 Lvl 3 and not in the to 0 Lvl 3 and not in the to in wide. 1 Lvl 3 and not in the to	0 Lvl 4 ension zone. 1 Lvl 4 ension zone. 0 Lvl 4 ension zone.	0 Maint. Qty 0 Maint. Qty 0 Maint. Qty	-

Structure Number: 500239 Inspection Date: 10/21/2015 Element: 235 26 Lvl 2: 26 Lvl 3 0 LvI 4 Name Timber Pier Cap Qty: 0 Maint. Qty 26 Defect Description: 1 Feet of Decay in left end of cap 2 in diameter x 1 in deep. 25 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. Bent 5 Row 1 Piles and Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty 5 Defect Description: 5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. 10 in Ibeams bolted to pile at ground line sticking up 12 in from ground line. 1/8 in section loss in exposed faces. Bent 5 Row 1 Piles and Columns Name Timber Pile 1 Lvl 2: Element: 228 Qty: 1 LvI 3 0 LvI 4 5 0 Maint. Qty Defect Description: 5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 5 Piles and 3 Row 1 Columns Name Timber Pile Element: 228 Qty: 1 I vI 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 5 Defect Description: 5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 5 Row 1 Piles and 4 Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 6 Row 1 Caps Element: 235 Name Timber Pier Cap Qty: 26 Lvl 2: 26 Lvl 3 0 LvI 4 0 Maint. Qty 26 Defect Description: 24 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone. 2 Feet of Decay/ in span 6 side of crownstrip at joist 16 1.5 in deep x 1.5 in high . Bent 6 Row 1 Piles and Columns Name Timber Pile Element: 228 1 Lvl 2: 0 LvI 4 Qty: 1 LvI 3 0 Maint. Qty 4 Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 6 Row 1 Piles and 2 Columns Name Timber Pile Element: 228 Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty 5 Defect Description: 5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. I beams bolted to each side at ground line . 1/8 in section loss in beams from ground line up. Bent 6 Row 1 Piles and Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 6 Row 1 Piles and 4 Columns

Structure Number: 500239 Inspection Date: 10/21/2015 Qty: 0 LvI 4 Element: 228 Name Timber Pile 1 Lvl 2: 1 Lvl 3 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 7 Row 1 Caps Name Timber Pier Cap Qty: 26 Lvl 2: Element: 235 26 LvI 3 0 LvI 4 0 Maint. Qty 26 Defect Description: 25 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. 1 Feet of Decay/3 in diameter x 1 ft long in right end of cap. Bent 7 Row 1 Piles and Columns Name Timber Pile Element: 228 Qty: 1 Lvl 2: 1 Lvl 3 0 LvI 4 0 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone Bent 7 2 Row 1 Piles and Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 5 Defect Description: 5 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. Bent 7 Row 1 Piles and Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 LvI 4 1 LvI 3 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone Piles and Bent 7 Row 1 Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 I vI 4 1 I vI 3 3 0 Maint. Qty **Defect Description:** 3 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. End Bent 2 Row 1 Caps Element: 235 Name Timber Pier Cap Qty: 26 I vI 2: 26 I vI 3 0 I vI 4 0 Maint. Qty 0 Defect Description: 26 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone. End Bent 2 Row 1 Piles and Columns Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 LvI 3 0 LvI 4 0 Maint. Qty Defect Description: 4 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. End Bent 2 Row 1 Piles and 2 Columns Name Timber Pile Element: 228 Qty: I vI 2: 0 Lvl 3 1 Lvl 4 3 0 Maint. Qty Defect Description: 3 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone. 1 Each of Crack (Timber): 1/2 in wide vertical crack in Left side 2.25 in deep. End Bent 2 Row 1 Piles and Columns Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 4 30 Element: 228 1 I vI 3 0 Maint. Qty Defect Description:

3 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

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

3 ft of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 2	Row 1	Abutments	1					
Element: 216 Defect Description		ber Abutment	Qty:	30 Lvl 2:	12 Lvl 3	3 Lvl 4	0 Maint. Qty	12

³ Feet of Decay/bulkhead board #2 at left end decayed through.

¹² Feet of Check/Shake in bulkhead piles and boards : Penetrates 5%-50% of the thickness of the member and not in a tension zone.

BRIDGE: 500239

DATE:

11/12/2013

BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

Johnston

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT

County

THAT THE STRUCTURE IS SHORED OR I	HAS HAD TEMPO	RARY REPAIR	RS MADE	
		CODE	BY	
S I & A ITEM 103 - TEMPORARY STRUCTURE DE	Т	TSE		
S I & A ITEM 59 - SUPERSTRUCTURE				
S I & A ITEM 60 - SUBSTRUCTURE		3	TSE	11/12/13
S I & A ITEM 64 OPERATING RATING				
HS	BY:			
S I & A ITEM 66 - INVENTORY RATING				
HS	BY:			

COMMENTS

Most timber piles have been encased with concrete and some have steel plates bolted to them.

TEMPORARY REPAIRS PETAIN TEAP-THS 04/14/16

National Bridge and NC Inspection Items

Structure Number: 500239 Inspection Date: 10/21/2015

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	547	3376
Drainage System	G, F, P, or C	Р	274	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	40	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	8		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	16
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
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: 500239 Inspection Date: 10/21/2015

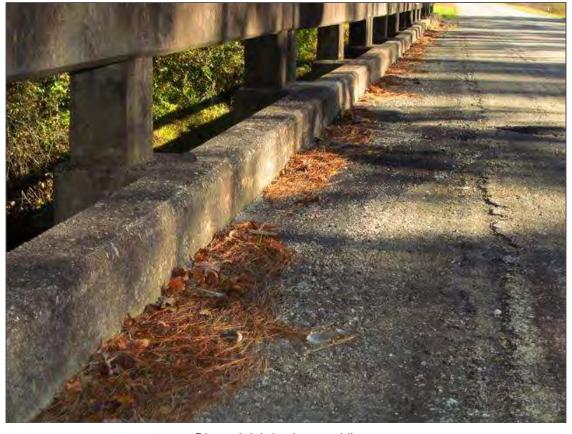
Item	Presently Posted	Grade	Υ	Maint Code	Qty.	0
Details	SV 19 TTST 27					
Item	Other Equipment Used	Grade	Υ	Maint Code	Qty.	0
Details	Boots.					
Item	Deck Debris	Grade	F	Maint Code 3376	Qty.	547
Details	Dirt and debris out 2 ft. along gutterlines.					
Item	Drainage System	Grade	Р	Maint Code 3332	Qty.	274
Details	All deck drains clogged or covered with debris.					
Item	Slope Protection	Grade	F	Maint Code 3352	Qty.	0
Details	Unprotected slopes.					
Item	Wingwalls	Grade	F	Maint Code 3350	Qty.	40
Details	End bent 1: Left wingwall boards 2,4,5,6 decayed 2 to 3 in deep 3 ft lo Right top wingwall board decayed 2 in deep 2 ft long.	ong.				
	End bent 2: Right top wingwall board decayed thru and missing.					
Item	Field Scour Evaluation	Grade	G	Maint Code	Qty.	0

Details Plan of action code z:

No change in mudline from established baseline.



Transverse cracking in Wearing surface over End Bent 1



Dirt and debris along curblines



Concrete patch in the Northbound lane and shoulder of Span 1



Asphalt patch in the Southbound lane over Bent 1



Longitudinal bands of deterioration in Span 1 Asphalt wearing surface - All spans similar



Cracking and separation in Asphalt wearing surface over Bent 2 - similar condition at other bents



10" Diameter x 1.5" deep void pothole in the Northbound lane of Span 4



Abrasion with Coarse aggregate exposed along deck curbs



Right guardrail endpost at End Bent 1 spalled



Grout Repair at the Left side of End Bent 2



Asphalt patch in the Northbound lane at End Bent 2



Concrete patch cracked and uneven in the Northbound lane of Span 1



Decay and separation in the Left side Wingwall boards at End Bent 1



Rand areas of decay in Bulkhead boards at End Bent 1



Decay in Span 1 side of Pile 2 at Bent 1



Decay in the Left side splice block at Bent 1 - Others similar



Decay in the end of Joist 18 in Span 5 over Bent 4 - Priority maintenance issued



Decay in the end of Joist 18 in Span 5 over Bent 4 - Priority maintenance issued



Random vertical checking throughout all timber piles



Temporary pile repairs throughout structure



Decay in right End of cap at Bent 3



Decay in left End of cap at Bent 5



Temporary repair for Pile 3 at Bent 5



Temporary Repair for Pile 2 at Bent 6



Section loss in the Bottom flange of beam 12 in Span 6 over Bent 5



Decay in right End of cap at Bent 7



2nd Bulkhead board from top at End Bent 2 decayed and missing from the left end to left end of cap



2-1/4" deep vertical check in Pile 2 at End Bent 2



Decay in Span 2 side of Pile 2 at Bent 1 lower crossbrace connection - Pile 1 at Bent 2 similar



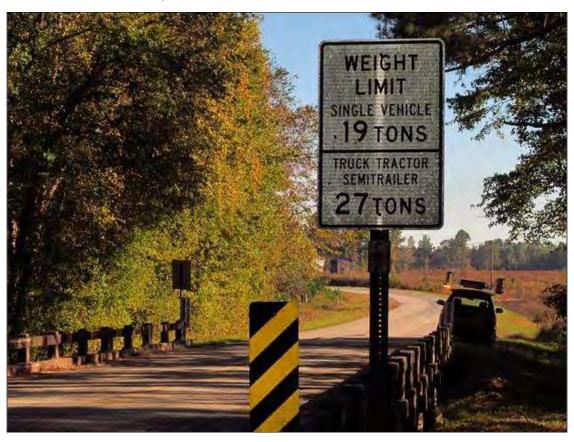
Decay in Span 3 side of Pile 2 at Bent 2 lower crossbrace connection



Decay in end of lower crossbrace for Pile 4 at Bent 3 span 4 side



Decay in Bent 3 crownstrip span 4 side at Joist 2



Weight posting



Looking north



Span 1 overview - Other spans similar



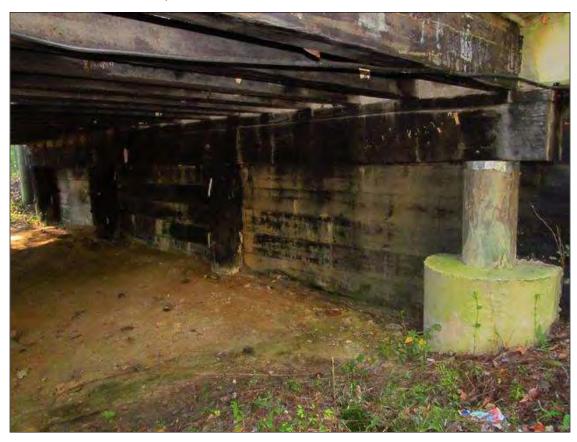
Looking south



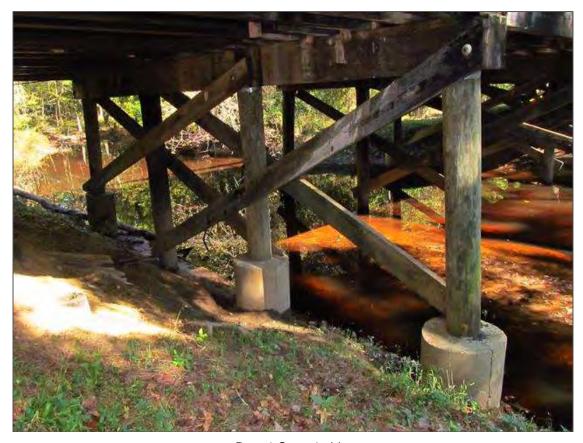
West profile



East profile



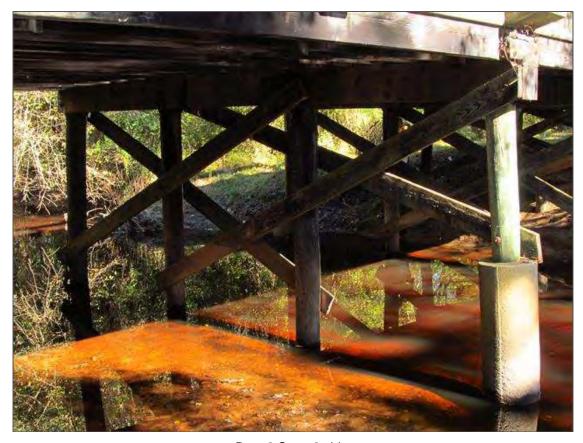
End Bent 1 overview



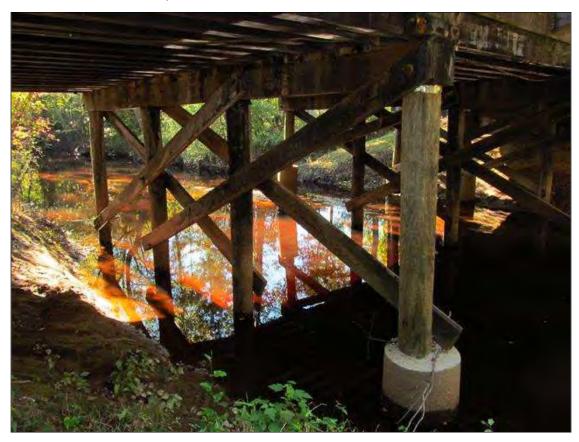
Bent 1 Span 1 side



Superstructure over End of cap at Bent 1 - Other bents similar



Bent 2 Span 2 side



Bent 3 span 4 side



Bent 4 span 4 side



New splice block has been added at the Right side of Bent 4 - Others similar



Bent 5 Span 5 side



Bent 6 Span 6 side



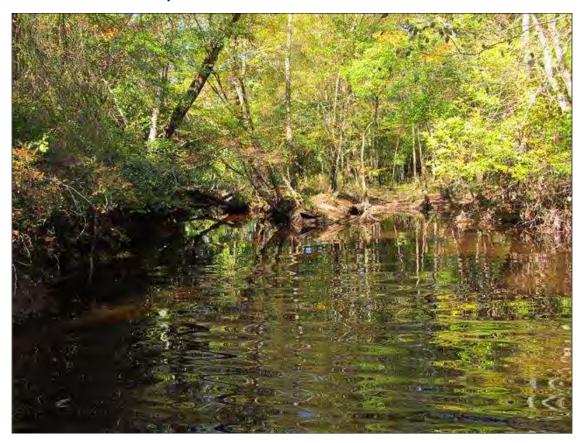
Existing steel beam (beam 12) at the Right side of beam 11



Bent 7 Span 8 side



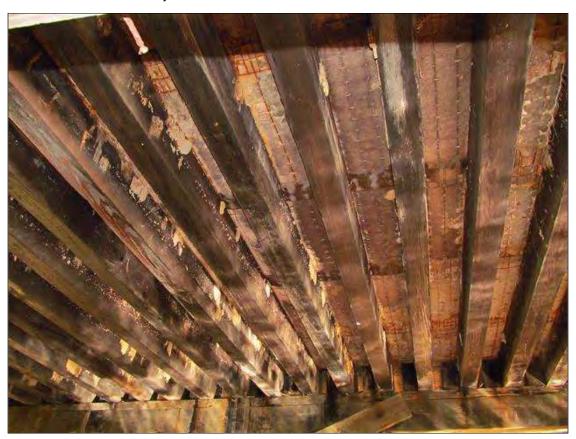
End Bent 2 overview



Looking west upstream



Looking east downstream



Superstructure overview

IDENTIFICATION —			
(1) STATE NAME -NORTH CAROLINA BRIDGE	500239	SUFFICIENCY RATING =	28.2
(8) STRUCTURE NUMBER(FEDERAL) 000	0000001010239	STATUS = Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31021290		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3		CODE
(3) COUNTY CODE 101 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - BUFFALO CREEK		(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED SR2129		(26) FUNCTIONAL CLASS - Minor Collector	08
(9) LOCATION 0.3 MI.N.SR1934		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 35° 35' 26.92" (17)LONG 78° 13' 37	7.75"	(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE PCT SHA	ARE	(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	Т
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0
		(20) TOLL On Free Road	3
STRUCTURE TYPE AND MATERIAL		(31) MAINTAIN - State Highway Agency	01
(43) STRUCTURE TYPE MAIN: Wood or Timber		(22) OWNER - State Highway Agency	01
TYPE - Stringer Mutlibeam or Girder	CODE 702	(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
(44) STRUCTURE TYPE APPR :		-	
TYPE -	CODE 000	CONDITION -	CODE
(45) NUMBER OF SPANS IN MAIN UNIT	8	(58) DECK	5
(46) NUMBER OF APPROACH SPANS		(59) SUPERSTRUCTURE	5
(107)DECK STRUCTURE TYPE - 1	CODE	(60) SUBSTRUCTURE	3
(108)WEARING SURFACE / PROTECTIVE SYSTEM:		(61) CHANNEL & CHANNEL PROTECTION	7
(A) TYPE OF WEARING SURFACE -	CODE	(62) CULVERTS	N
(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 - Allowable Stress	2
AGE AND SERVICE		(64) OPERATING RATING - HS-1	1
(27) YEAR BUILT	1955	(65) INVENTORY RATING METHOD - Allowable Stress	2
(106)YEAR RECONSTRUCTED		(66) INVENTORY RATING - HS-1	1
(42) TYPE OF SERVICE : ON - Highway		(70) BRIDGE POSTING - Posting Required	0
UNDER - Waterway	CODE 15	(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0	DESCRIPTION - Posted for Load	
(29) AVERAGE DAILY TRAFFIC	350		CODE
(30) YEAR OF ADT 2013 (109) TRUCK ADT PCT	6%	(67) STRUCTURAL EVALUATION	3
(19) BYPASS OR DETOUR LENGTH	5 MI	(68) DECK GEOMETRY	5
GEOMETRIC DATA		(69) UNDERCLEARANCES, VERTI & HORIZ	N
(48) LENGTH OF MAXIMUM SPAN	17 FT	(71) WATERWAY ADEQUACY	7
(49) STRUCTURE LENGTH	137 FT	(72) APPROACH ROADWAY ALIGNMENT	8
(50)CURB OR SIDEWALK: LEFT .79165 FT RIGHT	.79165 FT	(36) TRAFFIC SAFETY FEATURES	0000
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24 FT	(113)SCOUR CRITICAL BRIDGES	U
(52) DECK WIDTH OUT TO OUT	25.333 FT	PROPOSED IMPROVEMENTS	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	20 FT	(75) TYPE OF WORK - CODE	
(33) BRIDGE MEDIAN - No Median	CODE 0	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(34) SKEW 0° (35) STRUCTURE FLARED	0	(94) BRIDGE IMPROVEMENT COST	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT	(95) ROADWAY IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	24 FT	(96) TOTAL PROJECT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT	(114)FUTURE ADT 700 (115) YEAR FUTURE ADT	2025
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT		
(56) MIN LAT UNDERCLEAR LT REF -	000 FT	INSPECTIONS	
NAVIGATION DATA			0/21/2015
(38) NAVIGATION CONTROL - No Navigational Control	CODE 0	(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE	
(36) NAVIGATION CONTROL - No Navigational Control (111) PIER PROTECTION -	CODE	A) FRACTURE CRIT DETAIL - NO A)	
(39) NAVIGATION VERTICAL CLEARANCE	0	B) UNDERWATER INSP - NO B)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT	C) OTHER SPECIAL INSP NO C)	
,		SCOUR	
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT		

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 04/15/2016

COUNTY: **DIVISION:** DISTRICT: STRUCTURE NUMBER: LENGTH: FEET

137 **JOHNSTON** 500239

ROUTE CARRIED: FEATURE INTERSECTED:

SR2129 **BUFFALO CREEK**

BRIDGE NAME: LOCATED:

0.3 MI.N.SR1934 CITY:

FUNC. CLASS: SYST.ON: SYST.UNDER: ADT & YR: RAIL TYPE:

NFA NFA 350 2013 LT 111 RT 111

BUILT: BY: PROJ: FED.AID PROJ: **DESIGN LOAD:**

BMU 1955 Unknown

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

NAVIGATION: HT. CRN. TO BED: WATER DEPTH:

2 FT 0 HC 0 FT VC FT FT

SUPERSTRUCTURE: RC FLOOR ON TIMBER JOISTS;STD.BMD-10

EBTS&BTS:TIM.CAP/TIM.PILES@W/CONC.ENC.CCA SPLICED PILES SUBSTRUCTURE:

SPANS: 1@17'5", 6@17', 1@17'5"

BEAMS OR GIRDERS: 19 LINES 6X12 TIMBER JOISTS @ VARIED CENTERS

FLOOR: **ENCROACHMENT:** DECK (OUT TO OUT):

5R.C./1.5" AWS 25.333 FT

CLEAR ROADWAY: **BETWEEN RAILS:** SIDEWALK OR CURB:

24 FT 25.5833 FT LT .79165 RT .79165

> FT FΤ

VERT.CL.OVER: 999.9 FT

OPE.RTG.: INV.RTG.: CONTR.MEMBER: POSTED:

HS-1 HS-1 Joist17 SV 12 **TTST** 21 DATE 04/12/2016

> Sp5 (removedJ1

8)

GREEN LINE ROUTE: SYSTEM:

Secondary S.R. Route Ν

UNDER ROUTES AND CLEARANCES

REMARKS:

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500239 County JOHNSTON Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3304	Maintain/Replace Timber Superstructure Components	LF	6	Joist 18 span 5 at bent 4 is decayed 5 in wide x 6 in high x 5.5 feet long in the top portion of the joist.	



BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500239 County JOHNSTON

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

MMS Code	MN	MMS Description Quantity						
3304	Mai	aintain/Replace Timber Superstructure Components 6 LF						
Location:	Location:							
Beams and	and Girders Bent/Span No. 5 JOIST #18 IN SPAN 5 OVER BENT 4							
Priority Leve	el	Status						
Priority Main	ntenan	ce	Division Maintenance Work In Process					
Submitted D	ate:	Submitte	d By:	Assisted By:				
10/21/2015		W.C. M	ΑΥ	W.T. WILKINSON				
Details	Details							
Joist 18 span 5 at bent 4 is decayed 5 in wide x 6 in high x 5.5 feet long in the top portion of the joist.								



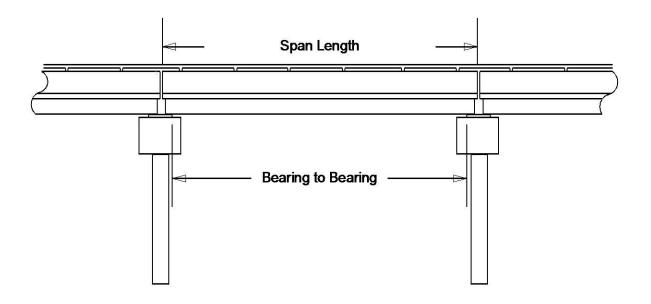
5.5 FT. DEEP DECAY IN THE END OF JOIST 18 IN SPAN 5 OVER BENT 4



5.5 FT. DEEP DECAY IN THE END OF JOIST 18 IN SPAN 5 OVER BENT 4

Structure Data Worksheet

County: JOHNSTON Structure No: 500239 Date: Inspected By: WCM



Span No	Span Length	Bearing to Bearing	Comments
1	17.4167	16.667	
2	17	17	
3	17	17	
4	17	17	
5	17	17	
6	17	17	
7	17	17	
8	17.4167	16.667	NBIS : 134.5 FT

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No:	500239	County:	JOHNSTON		Date:	Ву:	WCM	
Record sou	nding from top of	rail. Othe	r location if needed:					
Distance fro	om Highwater Mar	k to top of	rail:	Location of	of Highwater Mark:			

	D	OWNSTREAM	UPSTREAM			
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description	
0	0	TOP OF RAIL				
1	3.9	TOP OF CAP	1	7.9		
2	7.7					
7	6.5					
17	14.4	Water Surface/Water Edge (WSWE)				
18.5	16.2	BENT 1	18.5	15.5	BENT 1	
35	15.3	BENT 2	35	16.6	BENT 2	
52	14.6	BENT 3	52	15	BENT 3	
54	13.9	Water Surface/Water Edge (WSWE)				
56	12					
61	9.9					
69	11.6	BENT 4	69	10.6	BENT 4	
86	9.2	BENT 5	86	8.5	BENT 5	
103	9.3	BENT 6	103	8.5	BENT 6	
120	10.1	BENT 7	120	9.6	BENT 7	
137	9		137	8.9		
138	3.9	TOP OF CAP				
139	0	TOP OF RAIL				

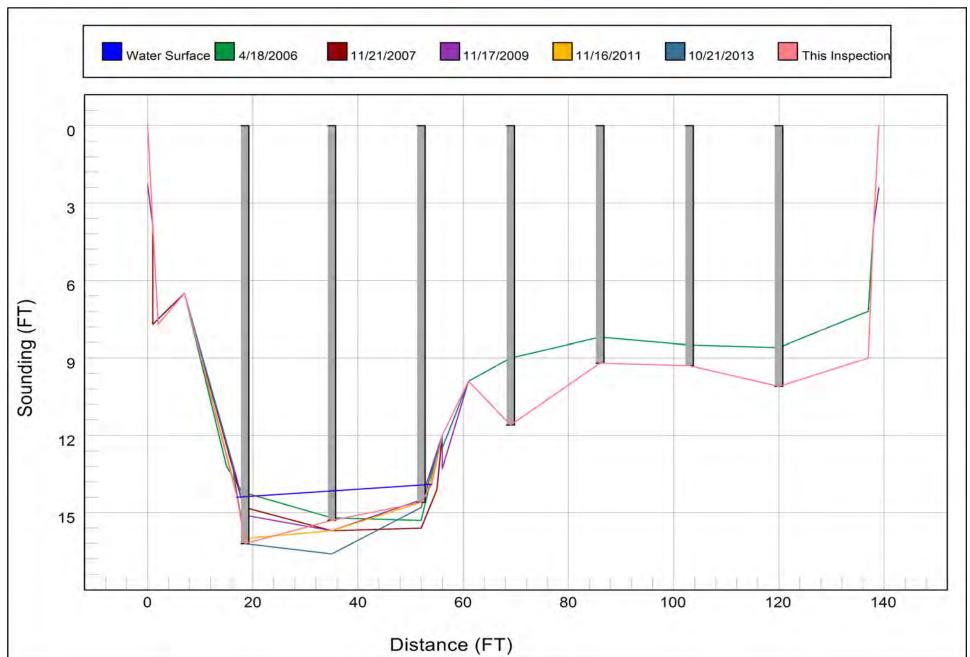
9

County JOHNSTON

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



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

CHECKED BY: WCM 10/21/2015

Title Approach Roadway		Descri	ption	
		Looking		
Bridge No: 500239	Drawn By: CLS	,	Date: 04/13/2006	File Name: \$0234000413

Deck Width/Out to Out	Betwe	en Rails			25.5833	
Clear Roadway 24ft		Weari	ng Surface			0.125ft
Median Width	Media	n Height				
Curb Height	Left	0.667ft	Right	0.66	7ft	
Sidewalk Width	Left		Right			
Clear Roadway (Rail to Med	dian)	Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing	Left	2.4167ft	Right	2.41	67ft	
Bridge Rail	Left	Type 14	Right	Тур	e 14	

Measurements for Span #	1	Spans 3,5, 7 similar	
Deck Thickness	0.4167	Left Overhang	0.459
Top of Rail to Bottom of Beam	3.833	Right Overhang	0.459

Beam Number	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.833ft	2147
2	Timber (Rectangular)	1.333ft	
3	Timber (Rectangular)	1.333ft	
4	Timber (Rectangular)	1.333ft	
5	Timber (Rectangular)	1.333ft	
6	Timber (Rectangular)	1.333ft	
7	Timber (Rectangular)	1.333ft	
8	Timber (Rectangular)	1.333ft	
9	Timber (Rectangular)	1.333ft	
10	Timber (Rectangular)	1.333ft	
11	Timber (Rectangular)	1.333ft	
12	Timber (Rectangular)	1.333ft	
13	Timber (Rectangular)	1.333ft	
14	Timber (Rectangular)	1.333ft	
15	Timber (Rectangular)	1.333ft	
16	Timber (Rectangular)	1.333ft	
17	Timber (Rectangular)	1.333ft	
18	Timber (Rectangular)	1.25ft	
19	Timber (Rectangular)	ft	

Title Typical Section Span 1		Descript	ion	
		Looking I	North	
Bridge No: 500239	Drawn By: WCM		Date: 10/21/2015	File Name: S0018014756

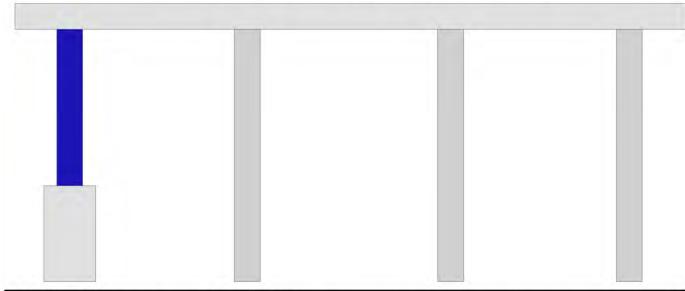


Measurements for Span #	2	SPANS 4,6,8 SIMILAR	
Deck Thickness	0.4167	Left Overhang	0.459
Top of Rail to Bottom of Beam	3.833	Right Overhang	0.459

Beam No	Beam Type	Spacing	Comments	
1	Timber (Rectangular)	1.25ft	Joists 11 1/2 in x 5 7/8 in	
2	Timber (Rectangular)	1.333ft		
3	Timber (Rectangular)	1.333ft		
4	Timber (Rectangular)	1.333ft		
5	Timber (Rectangular)	1.333ft		
6	Timber (Rectangular)	1.333ft		
7	Timber (Rectangular)	1.333ft		
8	Timber (Rectangular)	1.333ft		
9	Timber (Rectangular)	1.333ft		
10	Timber (Rectangular)	1.333ft		
11	Timber (Rectangular)	1.333ft		
12	Timber (Rectangular)	1.333ft		
13	Timber (Rectangular)	1.333ft		
14	Timber (Rectangular)	1.333ft		
15	Timber (Rectangular)	1.333ft		
16	Timber (Rectangular)	1.333ft		
17	Timber (Rectangular)	1.333ft		
18	Timber (Rectangular)	1.833ft		
19	Timber (Rectangular)			

CHECKED BY: WCM 10/21/2015

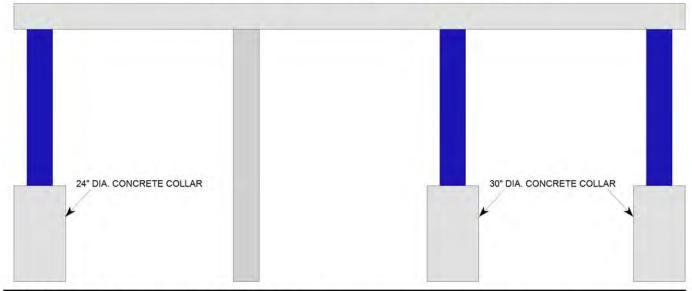
Title Typical Section Span 2		Description 19 Lines of Timber Joists				
Bridge No: 500239	Drawn By: CLS		Date: 04/13/2006	File Name:S0234000414		



Cap III	nformation		Material	Timber						
Lengt 26.000		Height 1.000 ft.	Left Over		Right Overh		Beam to Er	nd of Cap. R	ght Beam to Er	nd of Cap
- AL 24-17	p Information	- rupag ov	Material	1	11000 11	· · · ·	., 92 10		02 1	
Lengt		Height	Left Over	hang	Right Overh	nang Left	Pile to Spli	ce.		
Sill Inf	ormation		Material							
Lengt	th Width	Height								
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientatio	n Driven?	Replacemen	? Removed?	Collar?
Pile#	Material Timber	Spacing 8 ft.	Width/Dia. 1 ft.	Height	Length	Orientation Vertical	on Driven? Yes	Replacemen Yes	? Removed?	Collar? Yes
Pile#	- C.M. 1-17-17-17-1		E-10-400-2000	Height	Length	12,000,000,000	200	2011		1 7.30 D 1 0.1 1 in
1	Timber	8 ft.	1 ft.	Height	Length	Vertical	Yes	Yes	No	Yes
1 2	Timber Timber	8 ft. 5 ft.	1 ft. 1 ft.	Height	Length	Vertical Vertical	Yes Yes	Yes No	No No	Yes No

CHECKED BY: WCM 10/21/2015

Title END BENT 1		Desci	ription	
		END	BENT 1	
Bridge No: 500239	Drawn By: WTW		Date:11/20/2007	File Name:S0234000415



Length 26 ft. 1.000 ft. 1.000 ft. 1.000 ft. 1 ft.	Cap In	formation		Material	Timber										
Length Width Height Left Overhang Right Overhang Left Pile to Splice. Sill Information Material Length Width Height Pile # Material Spacing Width/Dia. Height Length Orientation Driven? Replacement? Removed? Collar' 1 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes 2 Timber 8 ft. 1 ft. Vertical Yes No No No 3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes	1.16	The second second		100000000000000000000000000000000000000	hang				nd of Cap.			d of Cap			
Sill Information	Subca	o Information		Material											
Length Width Height Pile # Material Spacing Width/Dia. Height Length Orientation Driven? Replacement? Removed? Collar's 1 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes 2 Timber 8 ft. 1 ft. Vertical Yes No No No 3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes	Lengt	h Width	Height	Left Over	hang	Right Over	hang	ang Left Pile to Splice.							
Length Width Height Pile # Material Spacing Width/Dia. Height Length Orientation Driven? Replacement? Removed? Collar' 1 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes 2 Timber 8 ft. 1 ft. Vertical Yes No No No 3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes	Sill Info	ormation		Material											
1 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes 2 Timber 8 ft. 1 ft. Vertical Yes No No No 3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes		72 · 3 · 3/ · · · · · · · · ·	Height												
2 Timber 8 ft. 1 ft. Vertical Yes No No No 3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes	Pile#	Material	Spacing	Width/Dia.	Height	Length	Orie	ntation	Driven?	Replaceme	ent?	Removed?	Collar?		
3 Timber 8 ft. 1 ft. Vertical Yes Yes No Yes	1	Timber	8 ft.	1 ft.			Vert	ical	Yes	Yes		No	Yes		
	2	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No		
4 Timber 1 ft. Vertical Yes Yes No Yes	3	Timber	8 ft.	1 ft.			Vertical		Yes	Yes		No	Yes		
	4	Timber		1 ft.			Vert	ical	Yes	Yes		No	Yes		

litle	
BENT	NO.1

CHECKED BY: WCM 10/21/2015

Description BENT NO.1

Bridge No: 500239

39 Drawn By: WTW

Date:11/21/2007

File Name: S0018013985



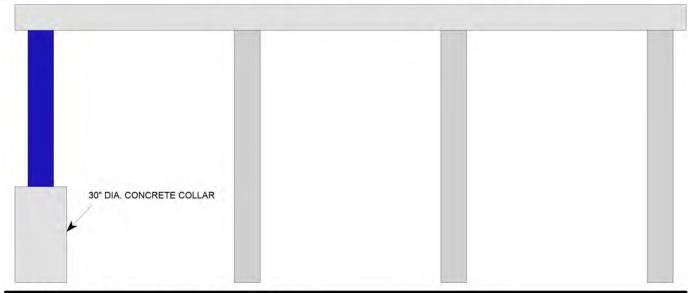
Cap Inf	formation		Material	Timber								
Length 26.000 f	See His All Property and	Height 1.000 ft.	Left Over	1000	Right Over			eam to Er 92 ft.	nd of Cap.	Right Beam to End of .792 ft.		nd of Ca
Subcap	Information		Material									
Length	n Width	Height	Left Over	hang	Right Over	hang	Left Pi	le to Splid	ce.			
Sill Info	rmation		Material									
Length	2.	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientation		Driven?	Replaceme	ent?	Removed?	Collar
1	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No
2	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No
3	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No
4	Timber		1 ft.			Verti	cal	Yes	Yes		No	Yes

Title	
BENT	NO.2

CHECKED BY: WCM 10/21/2015

Description BENT NO.2

Bridge No: 500239 Drawn By: WTW Date: 11/21/2007 File Name: \$0018013986



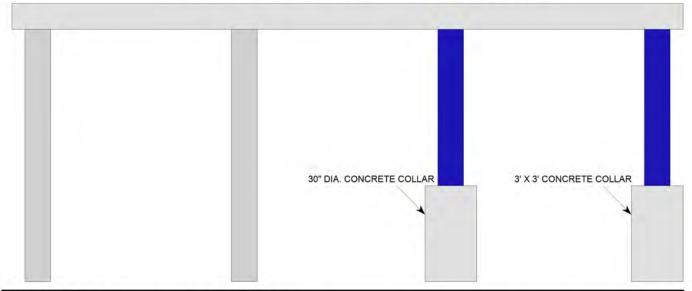
Cap In	formation		Material	Timber										
Lengt 26.000	And the second second	Height 1.000 ft.	Left Over		Right Over		Left B	eam to Er .792 ft.	nd of Cap.	Righ	it Beam to Er .792 ft.	nd of Cap		
Subca	p Information		Material											
Lengt	h Width	Height	Left Over	hang	Right Over	hang	Left P	ile to Spli	ce.					
Sill Info	ormation		Material											
Lengt	12 · 3 · 3 · 3 · 1 · 1 · 1	Height												
Pile#	Material	Spacing	Width/Dia.	Height	Length			Driven?	Replacement?		Removed?	Collar?		
1	Timber	8 ft.	1 ft.			Vertical		/ertical Yes					No	Yes
2	Timber	8 ft.	1 ft.			Vertical		ical Yes No			No	No		
3	Timber	8 ft.	1 ft.			Vertical		Vertical Yes			No	No		
4	Timber		1 ft.			Vertical Yes		No		No	No			
Double Control	butment #:		Similar I	2004										

Title BENT NO.3

CHECKED BY: WCM 10/21/2015

Description BENT NO.3

Bridge No: 500239 Drawn By: WTW Date:11/21/2007 File Name:S0018013987

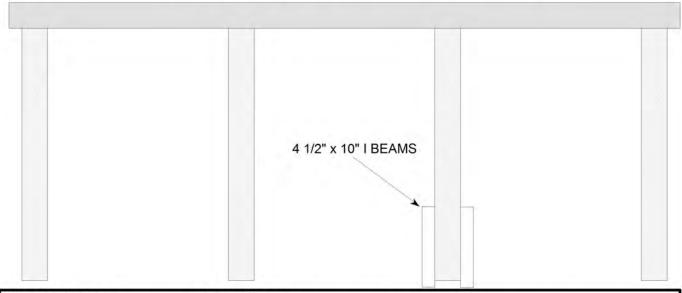


Cap In	formation		Material	Timber						15 - 7 - 7	
Lengti 26.000		Height 1,000 ft.	Left Over	1000	Right Over			eam to Er 2 ft.	nd of Cap.	Right Beam to E .792 ft.	nd of Ca
Subcar	o Information	2 Fadag Di	Material								
Lengt		Height	Left Over	hang	Right Over	hang	Left Pi	le to Splid	ce.		
Sill Info	ormation		Material								_
Lengt	72.3 - 3/11. / 2	Height									
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientation		Driven?	Replaceme	ent? Removed?	Collar
1	Timber	8 ft.	1 ft.			Vertical		Yes	No	No	No
2	Timber	8 ft.	1 ft.			Vertical		Yes	No	No	No
3	Timber	8 ft.	1 ft.			Vertical		Yes	Yes	No	Yes
4	Timber		1 ft.			Verti	cal	Yes	Yes	No	Yes

Title Description
BENT NO.4 CHECKED BY: WCM 10/21/2015

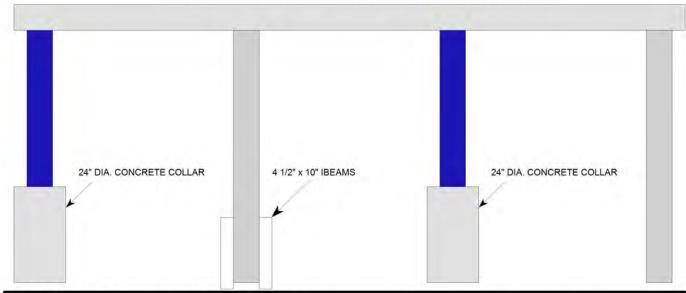
Description
BENT NO.4

Bridge No: 500239 Drawn By: WTW Date:11/21/2007 File Name:S0018013988



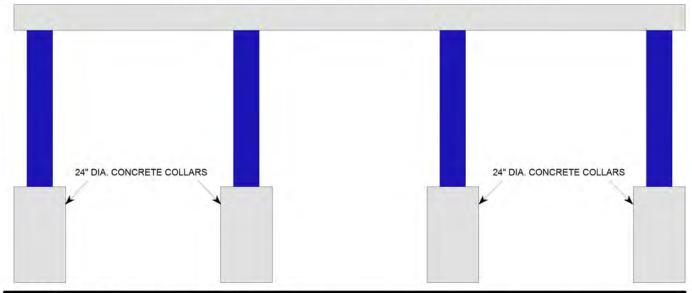
Cap Int	formation		Material	Timber								
Lengtl 26.000		Height 1.000 ft.	Left Over		Right Over			eam to Er 92 ft.	nd of Cap.		t Beam to Er 792 ft.	d of Ca
Subcar	Information		Material									
Lengtl	h Width	Height	Left Over	hang	Right Over	hang	Left Pi	le to Splid	ce.			
Sill Info	ormation		Material									
Lengtl		Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientation		Driven?	Replacem	ent?	Removed?	Collar?
1	Timber	8 ft.	1 ft.			Vertical		No	No		No	No
2	Timber	8 ft.	1 ft.			Vertical		No	No		No	No
3	Timber	8 ft.	1 ft.			Vertical		No	No		No	No
4	Timber		1 ft.			Verti	ical	No	No		No	No

litle		Description	
BENT NO.5	CHECKED BY: WCM 10/21/2015	BENT NO.5	
Bridge No: 500239	Drawn By: WCM	Date:11/18/2009	File Name:S0014003797



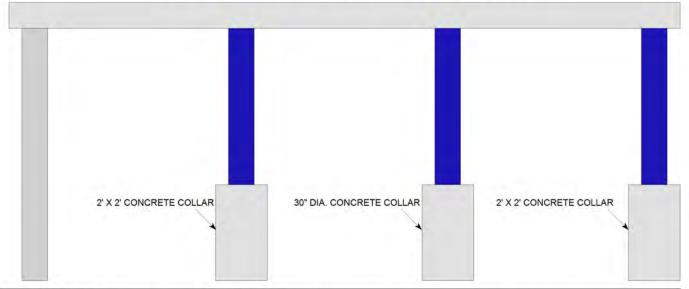
	formation		Material	Service Services								
Lengt	And the Art Wallington	Height	Left Over		Right Over	100			nd of Cap.		t Beam to Er	d of Cap
26.000		1.000 ft.	1.000	II.	1.000 ft		./8	2 ft.			792 ft.	
	o Information		Material									
Lengt	h Width	Height	Left Over	hang	Right Over	hang	Left Pi	le to Splid	ce.			
Sill Info	ormation	_	Material									
Lengt	h Width	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientation		Driven?	Replaceme	ent?	Removed?	Collar?
1	Timber	8 ft.	1 ft.			Vertical		Yes	Yes		No	Yes
2	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No
3	Timber	8 ft.	1 ft.			Vertical		Yes	Yes		No	Yes
4	Timber		1 ft.			Verti	cal	Yes	No		No	No
					1							

Title		Description	
BENT NO.6	CHECKED BY: WCM 10/21/2015	BENT NO.6	
Bridge No: 500239	Drawn By: WTW	Date:11/21/2007	File Name: \$0018013989



Cap Inform			Material					10 to 10 to 40			
Length	Width	Height	Left Over	0.00	Right Over				nd of Cap.	Right Beam to I	end of Cap
26.000 ft.	1.000 ft.	1.000 ft.	1.000	ft.	1.000 ft		.79	2 ft.		.792 ft.	
Subcap Ir	formation		Material								
Length	Width	Height	Left Over	hang	Right Over	hang L	eft Pi	le to Splid	ce.		
Sill Inform	ation		Material								
Length	Width	Height									
Pile # M	aterial	Spacing	Width/Dia.	Height	Length	Orienta	ation	Driven?	Replaceme	nt? Removed	? Collar?
1 T	imber	8 ft.	1 ft.			Vertical		Yes	Yes	No	Yes
2 T	imber	8 ft.	1 ft.			Vertical		Yes	Yes	No	Yes
3 T	imber	8 ft.	1 ft.			Vertical		Yes	Yes	No	Yes
4 T	imber		1 ft.			Vertica	al	Yes	Yes	No	Yes

Title		Description						
BENT NO.7	CHECKED BY: WCM 10/21/2015	BENT NO.7						
Bridge No: 500239	Drawn By: WTW	Date:11/21/2007	File Name:S0018013990					



	formation		Material	Timber								
Lengtl 26.000	And the Art Wallington	Height 1.000 ft.	Left Over		Right Over			eam to Er 92 ft.	nd of Cap.	Right Beam to End .792 ft.		nd of Ca
Subcar	o Information		Material									
Lengt	h Width	Height	Left Over	hang	Right Over	hang	Left Pi	le to Splid	ce.			
Sill Info	ormation	-	Material									
Lengt	h Width	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientation		Driven?	Replacem	ent?	Removed?	Collar?
1	Timber	8 ft.	1 ft.			Vertical		Yes	No		No	No
2	Timber	8 ft.	1 ft.			Vertical		Yes	Yes		No	Yes
3	Timber	8 ft.	1 ft.			Vertical		Yes	Yes		No	Yes
4	Timber		1 ft.			Verti	cal	Yes	Yes		No	Yes

Title	
END BENT	2

CHECKED BY: WCM 10/21/2015

Description END BENT 2

Bridge No: 500239 Drawn By: WTW Date:11/21/2007 File Name:S0018013991