



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION:

PRIORITY MAINTENANCE FOR EXPOSED
PRESTRESSING CABLES. SHORING OF BOTH
SUBSTRUCTURE AND SUPERSTRUCTURE

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: YADKIN STRUCTURE NUMBER: 980010 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1710 MILE POST:

LOCATION: .4 MI.S.JCT.US421

FEATURE INTERSECTED: SOUTH DEEP CREEK

LATITUDE: 36° 6' 23.61" LONGITUDE: 80° 35' 15.43"

SUPERSTRUCTURE: PRESTRESSED CONCRETE CHANNELS

SUBSTRUCTURE: E.BTS&BTS:PPC CAPS/TIM.PILES;HELPER BTS:STL.CAPS/H-PILES

1 @ 30'-3"; 3 @ 30'; 1 @ 30'-3"

SPANS: 1 @ 30"-3; 3 @ 30"; 1 @ 30"-3

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

PRESENT CONDITION: Poor INSPECTION DATE: 06/10/2015

POSTED SV: 25 POSTED TTST: 29

OTHER SIGNS PRESENT: (4) DELINEATORS



SOUTH APPROACH LOOKING NORTH

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

INSPECTED BY
VW WRENN

SIGNATURE

VW Wrenn

ASSISTED BY G GILLAND

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

BRIDGE: 980010

COUNTY: Yadkin

DATE: 8/15/2011

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT
THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE
TO KEEP THE BRIDGE OPEN :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	4	TSE 8/15/11
S I & A ITEM 64 OPERATING RATING	HS / AE	BY: FR
S I & A ITEM 66 - INVENTORY RATING	HS /	BY: P/L

COMMENTS

Some Piles encased with concrete.

Temporary Repairs

RETAIN TEMP TMS 12/01/15

Span Element Report

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 1

Span Length 30.25 Feet

Number of Slabs/Channels: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
15		Prestressed Concrete Top Flange	760	760	0	0	0	0	3326
16		Reinforced Concrete Top Flange	760	760	0	0	0	0	3326
104		Prestressed Concrete Closed Web/Box	310	262	6	15	27	48	3306
105		Reinforced Concrete Closed Web/Box	310	310	0	0	0	0	3306
216		Timber Abutment	34	30	0	4	0	4	3346
228		Timber Pile	5	3	1	1	0	3	3344
233		Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348
330		Metal Bridge Railing	62	62	0	0	0	0	3322
515	330	Steel Protective Coating	62	62	0	0	0	0	3342
510		Wearing Surface	726	686	0	40	0	40	2816

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

Span Number 2

Span Length 30 Feet

Number of Slabs/Channels: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
15		Prestressed Concrete Top Flange	750	750	0	0	0	0	3326
16		Reinforced Concrete Top Flange	750	750	0	0	0	0	3326
104		Prestressed Concrete Closed Web/Box	300	197	3	22	78	103	3306
105		Reinforced Concrete Closed Web/Box	300	300	0	0	0	0	3306
225		Steel Pile	4	0	4	0	0	4	3354
515	225	Steel Protective Coating	164	158	0	0	6	6	3342
228		Timber Pile	5	5	0	0	0	0	3344
231		Steel Pier Cap	70	17	42	11	0	53	3354
515	231	Steel Protective Coating	490	90	0	0	400	400	3342
233		Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348
330		Metal Bridge Railing	60	60	0	0	0	0	3322
515	330	Steel Protective Coating	60	60	0	0	0	0	3342
510		Wearing Surface	720	625	75	20	0	95	2816

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

Span Number 3

Span Length 30 Feet

Number of Slabs/Channels: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
15		Prestressed Concrete Top Flange	750	750	0	0	0	0	3326
16		Reinforced Concrete Top Flange	750	750	0	0	0	0	3326
104		Prestressed Concrete Closed Web/Box	300	255	2	37	6	45	3306
105		Reinforced Concrete Closed Web/Box	300	300	0	0	0	0	3306
225		Steel Pile	4	2	2	0	0	2	3354
515	225	Steel Protective Coating	212	210	0	0	2	2	3342
228		Timber Pile	5	1	0	1	3	4	3344
231		Steel Pier Cap	70	14	45	11	0	56	3354
515	231	Steel Protective Coating	490	70	0	0	420	420	3342
233		Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348

Structure Number: 980010

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330		Metal Bridge Railing	60	60	0	0	0	0	3322
515	330	Steel Protective Coating	60	60	0	0	0	0	3342
510		Wearing Surface	720	706	0	14	0	14	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 30 Feet

Number of Slabs/Channels: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
15		Prestressed Concrete Top Flange	750	742	8	0	0	8	3326
16		Reinforced Concrete Top Flange	750	750	0	0	0	0	3326
104		Prestressed Concrete Closed Web/Box	300	248	1	45	6	52	3306
105		Reinforced Concrete Closed Web/Box	300	300	0	0	0	0	3306
225		Steel Pile	2	2	0	0	0	0	3354
515	225	Steel Protective Coating	118	118	0	0	0	0	3342
228		Timber Pile	5	4	0	1	0	1	3344
231		Steel Pier Cap	35	3	20	12	0	32	3354
515	231	Steel Protective Coating	245	45	0	0	200	200	3342
233		Prestressed Concrete Pier Cap	26	0	22	4	0	26	3348
330		Metal Bridge Railing	60	59	0	1	0	1	3322
515	330	Steel Protective Coating	60	60	0	0	0	0	3342
510		Wearing Surface	720	700	0	20	0	20	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 30.25 Feet

Number of Slabs/Channels: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
15		Prestressed Concrete Top Flange	760	760	0	0	0	0	3326
16		Reinforced Concrete Top Flange	760	760	0	0	0	0	3326
104		Prestressed Concrete Closed Web/Box	310	244	27	21	18	66	3306
105		Reinforced Concrete Closed Web/Box	310	310	0	0	0	0	3306
216		Timber Abutment	34	32	0	2	0	2	3346
228		Timber Pile	10	8	0	2	0	2	3344
233		Prestressed Concrete Pier Cap	52	30	21	1	0	22	3348
330		Metal Bridge Railing	62	61	0	1	0	1	3322
515	330	Steel Protective Coating	62	62	0	0	0	0	3342
510		Wearing Surface	726	616	0	110	0	110	2816

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

Superstructure Detailed Element Quantities

Structure Number: 980010

Inspection Date: 06/10/2015

Structure Number: 980010

Inspection Date: 06/10/2015

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
☒ Bridge Rail	1	330	Metal Bridge Railing	31	31	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	31	31	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	31	31	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	31	31	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	726	686	0	40	0	40	2816	☐ Requested
☐ Beam	1	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	1	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	1	104	Prestressed Concrete Closed Web/Box C	31	7	0	12	12	24	3306	☒ Requested
☐ Beam	1	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	2	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	2	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	2	104	Prestressed Concrete Closed Web/Box C	31	18	0	0	13	13	3306	☒ Requested
☐ Beam	2	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	3	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	3	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	3	104	Prestressed Concrete Closed Web/Box C	31	29	0	0	2	2	3306	☐ Requested
☐ Beam	3	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	4	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	4	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	4	104	Prestressed Concrete Closed Web/Box C	31	29	1	1	0	2	3306	☐ Requested
☐ Beam	4	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	5	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	5	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	5	104	Prestressed Concrete Closed Web/Box C	31	30	1	0	0	1	3306	☐ Requested
☐ Beam	5	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	6	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	6	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	6	104	Prestressed Concrete Closed Web/Box C	31	29	2	0	0	2	3306	☐ Requested
☐ Beam	6	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	7	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	7	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

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
☒ Beam	7	104	Prestressed Concrete Closed Web/Box C	31	30	1	0	0	1	3306	☐ Requested
☐ Beam	7	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	8	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	8	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	8	104	Prestressed Concrete Closed Web/Box C	31	29	0	2	0	2	3306	☐ Requested
☐ Beam	8	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	9	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	9	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	9	104	Prestressed Concrete Closed Web/Box C	31	30	1	0	0	1	3306	☐ Requested
☐ Beam	9	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	10	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	10	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	10	104	Prestressed Concrete Closed Web/Box C	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	10	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bridge Rail	1	330	Metal Bridge Railing	30	30	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	30	30	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	720	625	75	20	0	95	2816	☐ Requested
☐ Beam	1	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	1	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	1	104	Prestressed Concrete Closed Web/Box C	30	23	0	7	0	7	3306	☐ Requested
☐ Beam	1	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	2	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	2	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	2	104	Prestressed Concrete Closed Web/Box C	30	13	0	0	17	17	3306	☐ Requested
☐ Beam	2	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	3	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	3	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	3	104	Prestressed Concrete Closed Web/Box C	30	14	0	0	16	16	3306	☐ Requested
☐ Beam	3	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	4	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	4	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	4	104	Prestressed Concrete Closed Web/Box C	30	27	1	2	0	3	3306	☐ Requested
☐ Beam	4	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	5	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	5	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	5	104	Prestressed Concrete Closed Web/Box C	30	26	0	0	4	4	3306	☒ Requested
☐ Beam	5	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	6	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	6	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	6	104	Prestressed Concrete Closed Web/Box C	30	26	0	2	2	4	3306	☒ Requested
☐ Beam	6	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	7	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	7	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested

Structure Number: 980010

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Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Beam	7	104	Prestressed Concrete Closed Web/Box C	30	26	2	2	0	4	3306	☐ Requested
☐ Beam	7	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	8	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	8	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	8	104	Prestressed Concrete Closed Web/Box C	30	13	0	3	14	17	3306	☐ Requested
☐ Beam	8	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	9	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	9	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	9	104	Prestressed Concrete Closed Web/Box C	30	5	0	0	25	25	3306	☐ Requested
☐ Beam	9	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	10	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	10	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	10	104	Prestressed Concrete Closed Web/Box C	30	24	0	6	0	6	3306	☐ Requested
☐ Beam	10	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested

Structure Number: 980010
Span Number 3

Inspection Date: 06/10/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bridge Rail	1	330	Metal Bridge Railing	30	30	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	30	30	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	720	706	0	14	0	14	2816	☐ Requested
☐ Beam	1	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	1	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	1	104	Prestressed Concrete Closed Web/Box C	30	29	0	1	0	1	3306	☐ Requested
☐ Beam	1	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	2	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	2	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	2	104	Prestressed Concrete Closed Web/Box C	30	26	0	4	0	4	3306	☐ Requested
☐ Beam	2	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	3	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	3	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	3	104	Prestressed Concrete Closed Web/Box C	30	27	0	3	0	3	3306	☐ Requested
☐ Beam	3	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	4	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	4	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	4	104	Prestressed Concrete Closed Web/Box C	30	26	0	2	2	4	3306	☒ Requested
☐ Beam	4	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	5	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	5	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	5	104	Prestressed Concrete Closed Web/Box C	30	26	0	2	2	4	3306	☒ Requested
☐ Beam	5	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	6	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	6	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	6	104	Prestressed Concrete Closed Web/Box C	30	26	0	2	2	4	3306	☒ Requested
☐ Beam	6	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	7	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	7	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Beam	7	104	Prestressed Concrete Closed Web/Box C	30	29	0	1	0	1	3306	☐ Requested
☐ Beam	7	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	8	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	8	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	8	104	Prestressed Concrete Closed Web/Box C	30	28	1	1	0	2	3306	☐ Requested
☐ Beam	8	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	9	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	9	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	9	104	Prestressed Concrete Closed Web/Box C	30	8	1	21	0	22	3306	☐ Requested
☐ Beam	9	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	10	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	10	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	10	104	Prestressed Concrete Closed Web/Box C	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	10	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested

Structure Number: 980010
Span Number 4

Inspection Date: 06/10/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bridge Rail	1	330	Metal Bridge Railing	30	29	0	1	0	1	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	30	30	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	30	30	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	720	700	0	20	0	20	2816	☐ Requested
☐ Beam	1	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	1	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	1	104	Prestressed Concrete Closed Web/Box C	30	25	0	5	0	5	3306	☐ Requested
☐ Beam	1	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	2	15	Prestressed Concrete Top Flange	75	73	2	0	0	2	3326	☐ Requested
☐ Beam	2	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	2	104	Prestressed Concrete Closed Web/Box C	30	29	1	0	0	1	3306	☒ Requested
☐ Beam	2	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	3	15	Prestressed Concrete Top Flange	75	73	2	0	0	2	3326	☐ Requested
☐ Beam	3	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	3	104	Prestressed Concrete Closed Web/Box C	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	3	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	4	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	4	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	4	104	Prestressed Concrete Closed Web/Box C	30	27	0	3	0	3	3306	☐ Requested
☐ Beam	4	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	5	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	5	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	5	104	Prestressed Concrete Closed Web/Box C	30	11	0	17	2	19	3306	☒ Requested
☐ Beam	5	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	6	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	6	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	6	104	Prestressed Concrete Closed Web/Box C	30	22	0	6	2	8	3306	☒ Requested
☐ Beam	6	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	7	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	7	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Beam	7	104	Prestressed Concrete Closed Web/Box C	30	26	0	2	2	4	3306	☒ Requested
☐ Beam	7	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	8	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	8	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	8	104	Prestressed Concrete Closed Web/Box C	30	26	0	4	0	4	3306	☐ Requested
☐ Beam	8	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	9	15	Prestressed Concrete Top Flange	75	71	4	0	0	4	3326	☐ Requested
☐ Beam	9	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	9	104	Prestressed Concrete Closed Web/Box C	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	9	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested
☐ Beam	10	15	Prestressed Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☐ Beam	10	16	Reinforced Concrete Top Flange	75	75	0	0	0	0	3326	☐ Requested
☒ Beam	10	104	Prestressed Concrete Closed Web/Box C	30	22	0	8	0	8	3306	☐ Requested
☐ Beam	10	105	Reinforced Concrete Closed Web/Box Gi	30	30	0	0	0	0	3306	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Bridge Rail	1	330	Metal Bridge Railing	31	30	0	1	0	1	3322	☐ Requested
Protective System		515	Steel Protective Coating	31	31	0	0	0	0	3342	
☒ Bridge Rail	2	330	Metal Bridge Railing	31	31	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	31	31	0	0	0	0	3342	
☒ Wearing Surfaces		510	Wearing Surface	726	616	0	110	0	110	2816	☐ Requested
☐ Beam	1	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	1	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	1	104	Prestressed Concrete Closed Web/Box C	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	1	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	2	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	2	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	2	104	Prestressed Concrete Closed Web/Box C	31	9	0	4	18	22	3306	☒ Requested
☐ Beam	2	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	3	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	3	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	3	104	Prestressed Concrete Closed Web/Box C	31	27	0	4	0	4	3306	☐ Requested
☐ Beam	3	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	4	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	4	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	4	104	Prestressed Concrete Closed Web/Box C	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	4	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	5	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	5	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	5	104	Prestressed Concrete Closed Web/Box C	31	29	1	1	0	2	3306	☐ Requested
☐ Beam	5	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	6	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	6	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	6	104	Prestressed Concrete Closed Web/Box C	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	6	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	7	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	7	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 5

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Beam	7	104	Prestressed Concrete Closed Web/Box C	31	28	0	3	0	3	3306	☐ Requested
☐ Beam	7	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	8	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	8	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	8	104	Prestressed Concrete Closed Web/Box C	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	8	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	9	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	9	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	9	104	Prestressed Concrete Closed Web/Box C	31	23	1	7	0	8	3306	☐ Requested
☐ Beam	9	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested
☐ Beam	10	15	Prestressed Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☐ Beam	10	16	Reinforced Concrete Top Flange	76	76	0	0	0	0	3326	☐ Requested
☒ Beam	10	104	Prestressed Concrete Closed Web/Box C	31	4	25	2	0	27	3306	☐ Requested
☐ Beam	10	105	Reinforced Concrete Closed Web/Box Gi	31	31	0	0	0	0	3306	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 980010

Inspection Date: 06/10/2015

Span Number 1

Span	1	Wearing Surfaces	Component Name:	Asphalt Wearing Surface
Element:	510	Name Wearing Surface	Qty: 726	Lvl 2: 0 Lvl 3: 40 Lvl 4: 0 Maint. Qty: 40
Defect Description:				

40 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at end bent 1 and bent 1.

Span	1	Beam	1	Component Name:	Prestressed Concrete Channel
Element:	104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 0 Lvl 3: 12 Lvl 4: 12 Maint. Qty: 24
Defect Description:					

7 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 1/4" longitudinal crack 2" from bottom of right leg at end bent 1.

8 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 1/8" longitudinal crack 2" from bottom of left leg with delam at midspan.

5 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3" x 1.5" x 5' spall on bottom of right leg of channel near midspan.

4 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack 2' from bent 1.

Span	1	Beam	2	Component Name:	Prestressed Concrete Channel
Element:	104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 0 Lvl 3: 0 Lvl 4: 13 Maint. Qty: 13
Defect Description:					

7 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Multiple longitudinal cracks from hairline up to 1/4" with delam on bottom of left leg near midspan.

5 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Multiple longitudinal cracks from hairline up to 1/4" with delam on bottom of left leg near bent 1.

1 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" x 3" x 2" deep spall on bottom of right leg at bent 1.

Span	1	Beam	3	Component Name:	Prestressed Concrete Channel
Element:	104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 0 Lvl 3: 0 Lvl 4: 2 Maint. Qty: 2
Defect Description:					

2 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 1/8" crack with delam on bottom of right leg at bent 1.

Span	1	Beam	4	Component Name:	Prestressed Concrete Channel
Element:	104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 1 Lvl 3: 1 Lvl 4: 0 Maint. Qty: 2
Defect Description:					

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with 6" x 1" x 1/2" deep spall in bottom of left leg at bent 1.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 8" x 2" x 1/2" deep with exposed rebar in bottom of right leg at bent 1.

Span	1	Beam	5	Component Name:	Prestressed Concrete Channel
Element:	104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1
Defect Description:					

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Up to 4" x 4" x 1/2" deep with exposed rebar in bottom of left and right leg at bent 1.

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Span	1	Beam	6	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 31 Lvl 2: 2 Lvl 3: 0 Lvl 4: 0 Maint. Qty 2

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 3" x 4" delam in of left leg at bent 1.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 5" x 3" x 1/2" deep spall in bottom of left leg at end bent 1.

Span	1	Beam	7	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 31 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 3" x 4" delam in of both legs at bent 1.

Span	1	Beam	8	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 31 Lvl 2: 0 Lvl 3: 2 Lvl 4: 0 Maint. Qty 2

Defect Description:

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 18" long longitudinal crack 2" from bottom of right left and 2 small spalls on both legs at bent 1.

Span	1	Beam	9	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 31 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 2 spalls up to 5" x 1" x 1/2" deep spalls in bottom of left leg at bent 1.

Span Number 2

Span	2	Wearing Surfaces	Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 720 Lvl 2: 75 Lvl 3: 20 Lvl 4: 0 Maint. Qty 95

Defect Description:

30 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. Longitudinal crack 7' from right rail and another at centerline of roadway at midspan.

45 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. 2 Longitudinal cracks 7' and 9.5' from left rail.

20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at bent 2.

Span	2	Beam	1	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 7 Lvl 4: 0 Maint. Qty 7

Defect Description:

3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Hairline to 1/4" crack on bottom of right leg at midspan.

3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Hairline to 1/4" crack on bottom of right leg 10' from bent 2.

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 1/16" longitudinal crack in bottom of right leg 3' from bent 2.

Span	2	Beam	2	Component Name:	Prestressed Concrete Channel				
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 0 Lvl 4: 17 Maint. Qty 17

Defect Description:

10 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Spall with exposed cables in right leg near bent 1.

7 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Hairline to 3/8" crack in bottom of right leg 3' from bent 2.

Channel 2 supported by 2 - 12" beams

Span 2	Beam 3	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 0	Lvl 3: 0	Lvl 4: 0	16 Maint. Qty	16	
Defect Description:								

10 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spalling with exposed broken strands in left leg near bent 1.

6 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Spall and crack with exposed strands in left leg 8' from bent 2.

Channel 3 supported by 2 - 12" beams

Span 2	Beam 4	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 1	Lvl 3: 2	Lvl 4: 0	Maint. Qty	3	
Defect Description:								

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Crack with delam in bottom of right leg at bent 2. Small patched area in left leg at bent 2.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. Shallow spall with minor delam at bent 1.

Span 2	Beam 5	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 0	Lvl 3: 0	Lvl 4: 4	Maint. Qty	4	
Defect Description:								

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 21" spall with exposed strands in bottom of left leg at bent 2.

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 15" spall with exposed strands on right leg at bent 1.

Span 2	Beam 6	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 0	Lvl 3: 2	Lvl 4: 2	Maint. Qty	4	
Defect Description:								

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 13" spall with delam in right leg and 12" patch in left leg at bent 1.

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed strands in bottom of right leg at bent 2.

16" long crack with patched area in bottom of left leg at bent 2.

Span 2	Beam 7	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 2	Lvl 3: 2	Lvl 4: 0	Maint. Qty	4	
Defect Description:								

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. Shallow spall with minor delam at bent 2.

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of right leg 3' from bent 2.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound at bent 1.

Span 2	Beam 8	Component Name:	Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 30	Lvl 2: 0	Lvl 3: 3	Lvl 4: 14	Maint. Qty	17	
Defect Description:								

3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of left leg 3' from bent 2.

14 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spall with broken strands in right leg at bent 2.

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Span 2	Beam	9	Component Name:	Prestressed Concrete Channel					
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 0 Lvl 4: 25 Maint. Qty 25

Defect Description:

25 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spalling with exposed strands in right leg along nearly the entire length. Left leg shows some cracking and delam for approximately 6'.

Span 2	Beam	10	Component Name:	Prestressed Concrete Channel					
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 6 Lvl 4: 0 Maint. Qty 6

Defect Description:

6 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Horizontal crack with delam in right leg 5' from bent 2

Span Number 3

Span 3	Bridge Rail	1	Component Name:	Steel Rail					
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Element: 330 Name Metal Bridge Railing Qty: 30 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Span 3 : 6" x 9" x 3" deep spall on left curb at bent 3

Span 3	Bridge Rail	2	Component Name:	Steel Rail					
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Element: 330 Name Metal Bridge Railing Qty: 30 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

Span 3 : 4" x 5" x 1" deep spall on right curb at bent 3

Span 3	Wearing Surfaces		Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 720 Lvl 2: 0 Lvl 3: 14 Lvl 4: 0 Maint. Qty 14

Defect Description:

14 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at bent 3.

Span 3	Beam	1	Component Name:	Prestressed Concrete Channel					
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Element: 16 Name Reinforced Concrete Top Flang Qty: 75 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

6" x 9" x 3" deep spall on left curb at bent 3

Span 3	Beam	1	Component Name:	Prestressed Concrete Channel					
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 1 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack 3' from bent 3, 1" from bottom of right leg on outside face.

Span 3	Beam	2	Component Name:	Prestressed Concrete Channel					
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 4 Lvl 4: 0 Maint. Qty 4

Defect Description:

3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of left leg 7' from bent 2.

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack on bottom of right leg at bent 3.

Span 3	Beam	3	Component Name:	Prestressed Concrete Channel					
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Element: 104 Name Prestressed Concrete Closed V Qty: 30 Lvl 2: 0 Lvl 3: 3 Lvl 4: 0 Maint. Qty 3

Defect Description:

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 18" longitudinal crack with patch area in bottom of left leg at bent 2. Right leg has 8" long crack at well at bent 2.

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 12 long crack in bottom of right leg at bent 3. Also, a 8" x 2" x 1/2" spall on bottom corner of left leg at bent 3.

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2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 16" delam in bottom of right leg at bent 2.

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" long spall with exposed strands in right leg at bent 3.

Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 24" Delam in left leg at bent 3.

2 Feet of Exposed Prestressing. The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed and broken strands in right leg at bent 2.

Left leg at bent 2 also shows approxiamtely 24" of delam.

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 18" Delam on both legs at bent 3.

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 18" delam in bottom of both legs at bent 2.

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed prestressing in bottom of right leg at bent 3. Left leg at bent 3 also shows 12" longitudinal crack.

1 Foot of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack in bottom of left leg at bent 3.

1 Foot of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 5" x 8" x 1/2" spall with exposed rebar in left leg at bent 2. Right leg at bent 2 also shows 8" delam at bent 2.

1 Foot of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 5" x 2" x 1/2" Spall with exposed rebar in left leg at bent 3.

1 Foot of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. 10" longitudinal crack in left leg at bent 2.
14 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 2' long crack 8' from bent 2, a 4' long crack at midspan and another 8' long crack 5' from bent 3. All are located in the right leg 2" from the bottom.
1 Foot of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 10" longitudinal crack with rust stains 1" from bottom of left leg on outside face.
6 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 6' longitudinal crack 2" from bottom of left leg 3' from bent 3.

Span 3	Beam 10	Component Name:		Prestressed Concrete Channel						
Element: 16	Name Reinforced Concrete Top Flang	Qty: 75	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:										

4" x 5" x 1" deep spall on right curb at bent 3

Span Number 4

Span	4	Bridge Rail	1	Component Name:		Steel Rail							
Element:	330	Name	Metal Bridge Railing	Qty:	30	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Missing rail bolt at bent 4

Span	4	Wearing Surfaces	Component Name:	Asphalt Wearing Surface									
Element:	510	Name	Wearing Surface	Qty:	720	Lvl 2:	0	Lvl 3	20	Lvl 4	0	Maint. Qty	20
Defect Description:													

20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at bent 4.

Span	4	Beam	1	Component Name:	Prestressed Concrete Channel								
Element:	16	Name	Reinforced Concrete Top Flang	Qty:	75	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:													

Curb misaligned 1 3/4" towards to west at left curb at bent 3

Span	4	Beam	1	Component Name:	Prestressed Concrete Channel								
Element:	104	Name	Prestressed Concrete Closed V	Qty:	30	Lvl 2:	0	Lvl 3	5	Lvl 4	0	Maint. Qty	5
Defect Description:													

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 18" longitudinal crack 1" up from bottom of right leg 10' from bent 3.

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 24" longitudinal crack in bottom of right leg 4' from bent 4.

1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal cracks in bottom of both legs with sound patched areas at bent 4.

Span	4	Beam	2	Component Name:	Prestressed Concrete Channel								
Element:	15	Name	Prestressed Concrete Top Flan	Qty:	75	Lvl 2:	2	Lvl 3	0	Lvl 4	0	Maint. Qty	2
Defect Description:													

2 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 18" x 18" sound patch 4' from bent 4.

Span	4	Beam	2	Component Name:	Prestressed Concrete Channel								
Element:	104	Name	Prestressed Concrete Closed V	Qty:	30	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

1 Feet of Exposed Prestressing: Present without section loss. 12" spall with exposed strand in bottom of right leg 9' from bent 3.

Span	4	Beam	3	Component Name:	Prestressed Concrete Channel								
Element:	15	Name	Prestressed Concrete Top Flan	Qty:	75	Lvl 2:	2	Lvl 3	0	Lvl 4	0	Maint. Qty	2
Defect Description:													

2 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 18" x 18" sound patch 4' from bent 4.

Span	4	Beam	4	Component Name:	Prestressed Concrete Channel								
Element:	104	Name	Prestressed Concrete Closed V	Qty:	30	Lvl 2:	0	Lvl 3	3	Lvl 4	0	Maint. Qty	3
Defect Description:													

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of left left at bent 3.

Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 8" x 3" x 1/4" deep with exposed rebar in bottom of right leg at bent 3.

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 9" x 3" x 1/2" deep spall with delam and 14" long crack in

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7 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with delam in bottom of left leg 3' from bent 3.

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 8" x 4" 3/4" deep spall with exposed rebar in bottom of right leg at bent 3.

Span Number 5

Span	5	Bridge Rail	1	Component Name:		Steel Rail							
Element:	330	Name	Metal Bridge Railing	Qty:	31	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1

Defect Description:

1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.

Missing rail bolt 7 ft. from bent 4

Span 5 : 6" x 6" x 2" deep spall on left curb at bent 4

Span 5	Wearing Surfaces			Component Name:		Asphalt Wearing Surface					
Element: 510	Name Wearing Surface			Qty: 726	Lvl 2:	0	Lvl 3	110	Lvl 4	0 Maint. Qty	110

Defect Description:

90 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. 6 longitudinal cracks at channel joints. Rutting of asphalt also present along right wheel line in both lanes.

20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at end bent 2.

Span 5	Beam 1	Component Name:		Prestressed Concrete Channel							
Element: 16	Name	Reinforced Concrete Top Flang	Qty: 76	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0

Defect Description:

6" x 6" x 2" deep spall on left curb at bent 4.

Left curb misaligned 1 1/8" toward to east at bent 4

Span 5	Beam 2	Component Name:		Prestressed Concrete Channel							
Element: 104	Name	Prestressed Concrete Closed V	Qty: 31	Lvl 2: 0	Lvl 3: 4	Lvl 4: 18	Maint. Qty: 22				

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Horizontal crack with delam on bottom of right leg at bent 4.

2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 22" spall with exposed strands in bottom of right leg at midspan.

16 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Horizontal crack on bottom of right leg on both sides of exposed cable at midspan.

3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack with delam 3" up from bottom of left leg 8' from end bent 2.

Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack with delam 3" up from bottom of left leg near midspan.

Span 5	Beam	3	Component Name:		Prestressed Concrete Channel							
Element: 104	Name	Prestressed Concrete Closed V	Qty:	31	Lvl 2:	0	Lvl 3	4	Lvl 4	0	Maint. Qty	4

Defect Description:

4 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack 2" from bottom of left leg at midspan.

Span 5	Beam	5	Component Name:		Prestressed Concrete Channel						
Element: 104	Name	Prestressed Concrete Closed V	Qty:	31	Lvl 2:	1	Lvl 3	1	Lvl 4	0 Maint. Qty	2

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 8" x 2" 1/4" deep spall on right leg at bent 4.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 10" x 2" x 1" deep spall on bottom of right leg at end bent 2.

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Span 5	Beam 7	Component Name:		Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 31	Lvl 2: 0	Lvl 3: 3	Lvl 4: 0	Maint. Qty: 3			
Defect Description:									

3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack 2" up from bottom of right leg on inside face 8' from bent 4.

Span 5	Beam 9	Component Name:		Prestressed Concrete Channel					
Element: 104	Name Prestressed Concrete Closed V	Qty: 31	Lvl 2:	1	Lvl 3:	7	Lvl 4:	0	Maint. Qty: 8
Defect Description:									

7 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack 2" up from bottom of right leg, 6' from end bent 2

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 6" x 1" x 1/4" spall on bottom of right leg at end bent 2.

Span 5	Beam	10	Component Name:		Prestressed Concrete Channel							
Element: 104	Name	Prestressed Concrete Closed V	Qty:	31	Lvl 2:	25	Lvl 3:	2	Lvl 4:	0	Maint. Qty	27
Defect Description:												

25 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound along most of left leg along span.

2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with delam in bottom of left leg at end bent 2. Right leg has 7" x 2" x 1/2" deep spall on inside face of right leg and end bent 2.

Substructure Detailed Element Quantities

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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	233	Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☒ Abutments	1	216	Timber Abutment	34	30	0	4	0	4	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	233	Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Span 2 Crutch Bent

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	35	13	22	0	0	22	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	245	45	0	0	200	200	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	35	34	0	0	1	1	3342	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	35	33	0	0	2	2	3342	☐ Requested

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Span 2 Crutch Bent

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	35	4	20	11	0	31	3354	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	47	45	0	0	2	2	3342	☐ Requested
☒ Caps	1	515	Steel Protective Coating	245	45	0	0	200	200	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	47	46	0	0	1	1	3342	☐ 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	233	Prestressed Concrete Pier Cap	26	26	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	0	0	1	1	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	0	0	0	1	1	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	0	0	1	1	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested

Span 3 Crutch Bent

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	35	4	20	11	0	31	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	245	45	0	0	200	200	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	47	46	0	0	1	1	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	0	1	0	0	1	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	47	46	0	0	1	1	3342	☐ Requested

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Span 3 Crutch Bent

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	35	10	25	0	0	25	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	245	25	0	0	220	220	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested

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	233	Prestressed Concrete Pier Cap	26	0	22	4	0	26	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Span 4 Crutch Bent

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	35	3	20	12	0	32	3354	☐ Requested
☒ Caps	1	515	Steel Protective Coating	245	45	0	0	200	200	3342	☐ Requested
☒ Piles and Columns	1	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested
☒ Piles and Columns	2	225	Steel Pile	1	1	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	2	515	Steel Protective Coating	59	59	0	0	0	0	3342	☐ Requested

Structure Number: 980010

Inspection Date: 06/10/2015

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	233	Prestressed Concrete Pier Cap	26	24	1	1	0	2	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

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	233	Prestressed Concrete Pier Cap	26	6	20	0	0	20	3348	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Abutments	1	216	Timber Abutment	34	32	0	2	0	2	3346	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 980010

Inspection Date: 06/10/2015

End Bent 1

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

1 Each of Split/Delamination: Length equal to or greater than the member depth but does not require structural review. Pile sounds hollow.

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

1 Each of Decay/Section Loss: Affects less than 10% of the member section. Surface decay 4" long 18" high on NORTH side.

End Bent 1	Row 1	Abutments	1
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Element: 216 Name Timber Abutment Qty: 34 Lvl 2: 0 Lvl 3: 4 Lvl 4: 0 Maint. Qty: 4
Defect Description:

4 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. Top bulkhead board decayed on right side end bent 1.

Span 2	Row 1	Caps	1
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Crutch Bent
Element: 231 Name Steel Pier Cap Qty: 35 Lvl 2: 22 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 22
Defect Description:

22 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Random surface rust on flanges and web.
200 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2	Row 1	Piles and Columns	1
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Crutch Bent
Element: 225 Name Steel Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1
Defect Description:

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 4" of pile.
1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 4" of pile.

Span 2	Row 1	Piles and Columns	2
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Crutch Bent
Element: 225 Name Steel Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1
Defect Description:

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 4" of pile.
2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 4" of pile.

Span 2	Row 1	Caps	1
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Crutch Bent
Element: 231 Name Steel Pier Cap Qty: 35 Lvl 2: 20 Lvl 3: 11 Lvl 4: 0 Maint. Qty: 31
Defect Description:

11 Feet of Corrosion: 1/16" section loss is evident in the bottom flange under channels 4 to 9. Does not warrant structural review.
20 Feet of Corrosion: Random Freckled Rust. Corrosion of the steel has initiated.
200 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2	Row 1	Piles and Columns	1
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Crutch Bent
Element: 225 Name Steel Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1
Defect Description:

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 2" of pile.
2 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 2" of pile.

Span 2	Row 1	Piles and Columns	2
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Crutch Bent

Structure Number: 980010

Inspection Date: 06/10/2015

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

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 2" of pile.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 2" of pile.

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

1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 85% decay, 7' from streambed.

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

1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 85% decay, 5' from streambed.

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

1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 75% decay, 6' from streambed.

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

1 Each of Split/Delamination: Length equal to or greater than the member depth but does not require structural review. Hollow sound on EAST side 8' from streambed.

Span 3	Row 1	Caps	1
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Crutch Bent

Element: 231	Name Steel Pier Cap	Qty: 35	Lvl 2: 20	Lvl 3: 11	Lvl 4: 0	Maint. Qty: 31
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Defect Description:

11 Feet of Corrosion: 1/16" section loss is evident in the bottom flange under channels 4 to 9. Does not warrant structural review.

20 Feet of Corrosion: Random Freckled Rust. Corrosion of the steel has initiated.

200 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3	Row 1	Piles and Columns	1
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Crutch Bent

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

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 2" of pile.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 2" of pile.

Span 3	Row 1	Piles and Columns	2
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Crutch Bent

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

1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 2" of pile.

1 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal at the top 2" of pile.

Span 3	Row 1	Caps	1
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Crutch Bent

Element: 231	Name Steel Pier Cap	Qty: 35	Lvl 2: 25	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 25
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Defect Description:

25 Feet of Corrosion: Random Freckled Rust. Corrosion of the steel has initiated.

220 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Bent 3	Row 1	Caps	1
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Element: 233 Name Prestressed Concrete Pier Cap Qty: 26 Lvl 2: 22 Lvl 3: 4 Lvl 4: 0 Maint. Qty: 26
Defect Description:

4 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack in bottom of cap between piles 3 and 4.

16 Feet of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. Horizontal crack starting under channel 3 and extends to channel 9, 7" from bottom of cap on south face.

6 Feet of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. Horizontal crack on north face 7" from bottom of cap under channels 9 and 10.

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

1 Each of Split/Delamination: Length equal to or greater than the member depth but does not require structural review. Hollow sound with 1/4" splits on West side 7' from streambed.

Span 4	Row 1	Caps	1
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Crutch Bent
Element: 231 Name Steel Pier Cap Qty: 35 Lvl 2: 20 Lvl 3: 12 Lvl 4: 0 Maint. Qty: 32
Defect Description:

12 Feet of Corrosion: 1/16" section loss is evident in the bottom flange under channels 4 to 8. Does not warrant structural review.

20 Feet of Corrosion: Random Freckled Rust. Corrosion of the steel has initiated.

200 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Bent 4	Row 1	Caps	1
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Element: 233 Name Prestressed Concrete Pier Cap Qty: 26 Lvl 2: 1 Lvl 3: 1 Lvl 4: 0 Maint. Qty: 2
Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 10" x 2.5" x 1.5" deep spall in top of cap under channel 1 on SOUTH face.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 6" x 4' x 1" deep under left leg of channel 9 on SOUTH face.

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

1 Each of Split/Delamination: Length equal to or greater than the member depth but does not require structural review. 3' of hollow sounding 3' from ground on SOUTH face.

End Bent 2	Row 1	Caps	1
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Element: 233 Name Prestressed Concrete Pier Cap Qty: 26 Lvl 2: 20 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 20
Defect Description:

20 Feet of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. Horizontal crack from channel 1 to channel 8 8" from bottom of cap on SOUTH face.

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

1 Each of Split/Delamination: Length equal to or greater than the member depth but does not require structural review. 2' long split with delam on WEST side of pile.

End Bent 2	Row 1	Abutments	1
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Element: 216 Name Timber Abutment Qty: 34 Lvl 2: 0 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 2
Defect Description:

Structure Number: 980010

Inspection Date: 06/10/2015

1 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. 7" x 5" x 2.5" deep on abutment board at EAST end of end bent 2 cap.

1 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. 8" x 5" x 3" decay on WEST end of abutment.

National Bridge and NC Inspection Items

Structure Number: 980010

Inspection Date: 06/10/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C	G	0	3352
Wingwall	G, F, P, or C			
Scour	G, F, P, or C	G		
Field Scour Evaluation		O		
Drift	G, F, P, or C	F	6	3366
Fender System	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years	10		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	32
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	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 980010

Inspection Date: 06/10/2015

Item	Drift	Grade	F	Maint Code	3366	Qty.	6
Details	DRIFT AT BENT 2 (1.5 FT. X 40 FT.)						
Item	Response to live load	Grade	F	Maint Code		Qty.	0
Details	SPAN 5 LIVE LOAD REACTION HAS MORE MOVEMENT AND DEFLECTION THAN OTHER SPANS						



Span 2 Wearing Surface : Longitudinal crack 7' from right rail and another at centerline of roadway at midspan.



Span 4 Wearing Surface: 20 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. Transverse crack at bent 4.



End Bent 1 Pile 5: 1 Each of Decay/Section Loss: Affects less than 10% of the member section. Surface decay 4" long 18" high on NORTH side.



End Bent 1 Abutment/Backwall : 4 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. Top bulkhead board decayed on right side end bent 1.



Span 1 Channel/Slab 1: 7 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 1/4" longitudinal crack 2" from bottom of right leg at end bent 1.



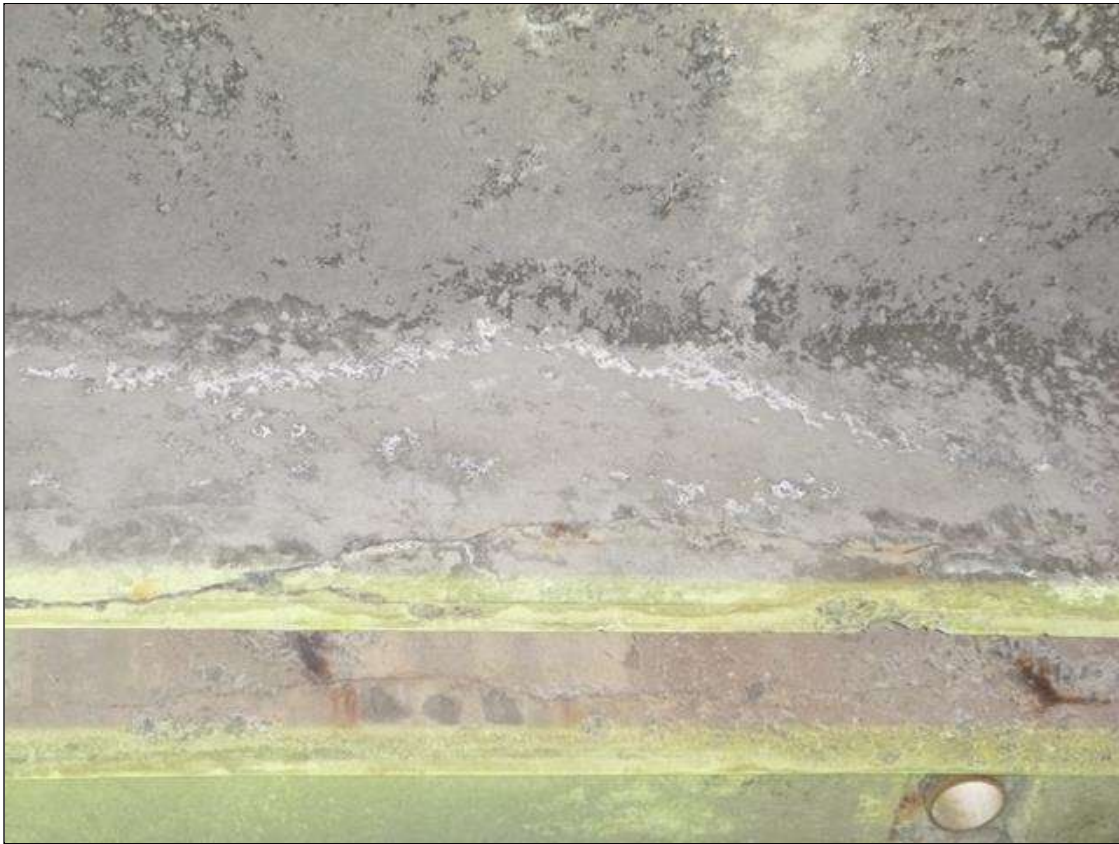
Span 1 Channel/Slab 1: 8 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 1/8" longitudinal crack 2" from bottom of left leg with delam at midspan.



Span 1 Channel/Slab 1: 5 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3" x 1.5" deep x 5' spall on bottom of right leg of channel near midspan with exposed cable.



Span 1 Channel/Slab 2: 7 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Multiple longitudinal cracks from hairline up to 1/4" with delam on bottom of left leg near midspan.



Span 1 Channel/Slab 2: 5 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Multiple longitudinal cracks from hairline up to 1/4" with delam on bottom of left leg near bent 1.



Span 1 Channel/Slab 2: 1 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" x 3" x 2" deep spall on bottom of right leg at bent 1 with exposed cable.



Span 1 Channel/Slab 3: 2 Feet of Cracking (PSC): The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 1/8" crack with delam on bottom of right leg at bent 1.



Span 1 Channel/Slab 4: 1 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with 6" x 1" x 1/2" deep spall in bottom of left leg at bent 1.



Span 1 Channel/Slab 4: 1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 8" x 2" x 1/2" deep with exposed rebar in bottom of right leg at bent 1.



Span 1 Channel/Slab 5: 1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Up to 4" x 4" x 1/2" deep with exposed rebar in bottom of left and right leg at bent 1.



Span 1 Channel/Slab 6: 1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 5" x 3" x 1/2" deep spall in bottom of left leg at end bent 1.



ASPHALT WEARING SURFACE WITH TRANSVERSE CRACK AND SETTLED 1" AT SOUTH APPROACH



Span 3 : 6" x 9" x 3" deep spall on left curb at bent 3



Span 3 : 4" x 5" x 1" deep spall on right curb at bent 3



Span 4 : Curb misaligned 1 3/4" towards to west at left curb at bent 3



Span 5 : 6" x 6" x 2" deep spall on left curb at bent 4



ASPHALT WEARING SURFACE SETTLED 3/8" AT NORTH APPROACH



Bent 1 Cap : 22 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Random surface rust on flanges and web.



Bent 1 Pile 2: 1 Each of Corrosion: Freckled Rust. Corrosion of the steel has initiated. Surface rust at top 4" of pile.



Span 2 Channel/Slab 1: 3 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Hairline to 1/4" crack on bottom of right leg 10' from bent 2.



Span 2 Channel/Slab 3: 10 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spalling with exposed broken strands in left leg near bent 1.



Span 2 Channel/Slab 3: 6 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Spall and crack with exposed strands in left leg 8' from bent 2.



Span 2 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 21" spall with exposed strands in bottom of left leg at bent 2.



Span 2 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 15" spall with exposed strands on right leg at bent 1.



Span 2 Channel/Slab 6: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 13" spall with delam in right leg and 12" patch in left leg at bent 1.



Span 2 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed strands in bottom of right leg at bent 2.



Span 2 Channel/Slab 7: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of right leg 3' from bent 2.



Span 2 Channel/Slab 8: 14 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spall with broken strands in right leg at bent 2.



Span 2 Channel/Slab 9: 25 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. Extensive spalling with exposed strands in right leg along nearly the entire length. Left leg shows some cracking and delam for approximately 6'.



Bent 2 Cap : 11 Feet of Corrosion: 1/16" section loss is evident in the bottom flange under channels 4 to 9. Does not warrant structural review.



Bent 2 Pile 1: 1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 85% decay, 7' from streambed.



Bent 2 Pile 2: 1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 85% decay, 5' from streambed.



Bent 2 Pile 3: 1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 75% decay, 6' from streambed.



Span 3 Channel/Slab 2: 3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of left leg 7' from bent 2.



Span 3 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed and broken strands in right leg at bent 2.



Span 3 Channel/Slab 3: 2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. 18" longitudinal crack with patch area in bottom of left leg at bent 2. Right leg has 8" long crack at well at bent 2.



Span 3 Channel/Slab 4: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 16" delam in bottom of right leg at bent 2.



Span 3 Channel/Slab 8: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 5" x 8" x 1/2" spall with exposed rebar in left leg at bent 2.



Bent 3 Cap : 4 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack in bottom of cap between piles 3 and 4.



Span 3 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed prestressing in bottom of right leg at bent 3.



Span 3 Channel/Slab 4: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" long spall with exposed strands in right leg at bent 3.



Span 3 Channel/Slab 4: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 24" Delam in left leg at bent 3.



Span 4 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed strands and 6" crack extending into span in bottom of left leg at bent 3.



Bent 3 Cap : 16 Feet of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. Horizontal crack starting under channel 3 and extends to channel 9, 7" from bottom of cap on SOUTH face.



Span 4 Channel/Slab 4: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. Delam in bottom of left left at bent 3.



Span 4 Channel/Slab 4: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 8" x 3" x 1/4" deep with exposed rebar in bottom of right leg at bent 3.



Span 4 Channel/Slab 7: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" spall with exposed strands in bottom of left leg at bent 3.



Span 4 Channel/Slab 10: 7 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with delam in bottom of left leg 3' from bent 3.



Span 4 Channel/Slab 9: 2 Square Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. 15" diameter patch 3' from bent 3.



Span 4 Channel/Slab 10: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 8" x 4" $\frac{3}{4}$ " deep spall with exposed rebar in bottom of right leg at bent 3.



Span 4 Left Bridge Rail: 1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.
Missing rail bolt at bent 4



Span 5 Left Bridge Rail: 1 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review.
Missing rail bolt 7 ft. from bent 4



SPALLS WITH EXPOSED REBAR ON CHANNEL 5 BENT 3 DIAPHRAGM SPAN 4



Span 4 Channel/Slab 4: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 9" x 3" x 1/2" deep spall with delamination and 14" long crack in bottom of left leg at bent 4.



Span 4 Channel/Slab 5: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 18" delam along bottom of both legs at bent 4.



Span 4 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" long spall with exposed cable on bottom of left leg at bent 4. Right leg also shows 20" of delam at bent 4.



Bent 4 Cap : 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 10" x 2.5" x 1.5" deep spall in top of cap under channel 1 on SOUTH face.



Bent 4 Cap : 1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. 6" x 4' x 1" deep under left leg of channel 9 on SOUTH face.



Span 5 Channel/Slab 10: 25 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound along most of left leg along span.



Span 5 Channel/Slab 10: 2 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Longitudinal crack with delam in bottom of left leg at end bent 2. Right leg has 7" x 2" x 1/2" deep spall on inside face of right leg and end bent 2.



End Bent 2 Abutment/Backwall : 1 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. 7" x 5" x 2.5" deep on abutment board at EAST end of end bent 2 cap.



End Bent 2 Cap : 20 Feet of Cracking (PSC): Width 0.004-0.009 in. or spacing 1.0-3.0 ft. Horizontal crack from channel 1 to channel 8 8" from bottom of cap on SOUTH face.



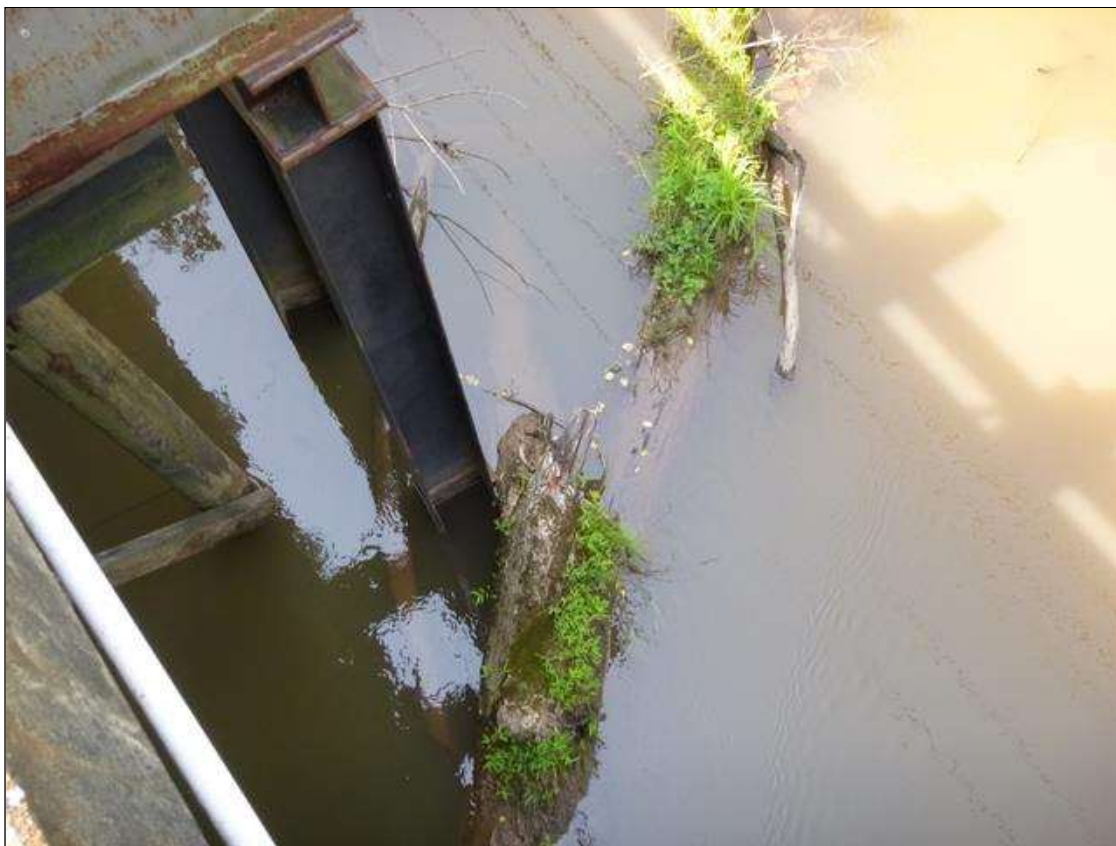
Span 5 Channel/Slab 2: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 22" spall with exposed strands in bottom of right leg at midspan.



Span 5 Channel/Slab 2: 0 Feet of Cracking (PSC): Width greater than 0.009 in. or spacing less than 1 ft. Horizontal crack with delam 3" up from bottom of left leg near midspan.



Span 4 Channel / Slab 2 : 1 Feet of Exposed Prestressing: Present without section loss. 12" spall with exposed cable on bottom of right leg 9 ft. from bent 3.



DRIFT AT BENT 2 (1.5 FT. X 40 FT.)



SOUTH APPROACH LOOKING NORTH



WEIGHT LIMIT SIGN AT SOUTHEAST CORNER



RAIL



UPSTREAM PROFILE LOOKING NORTH



NORTH APPROACH LOOKING SOUTH



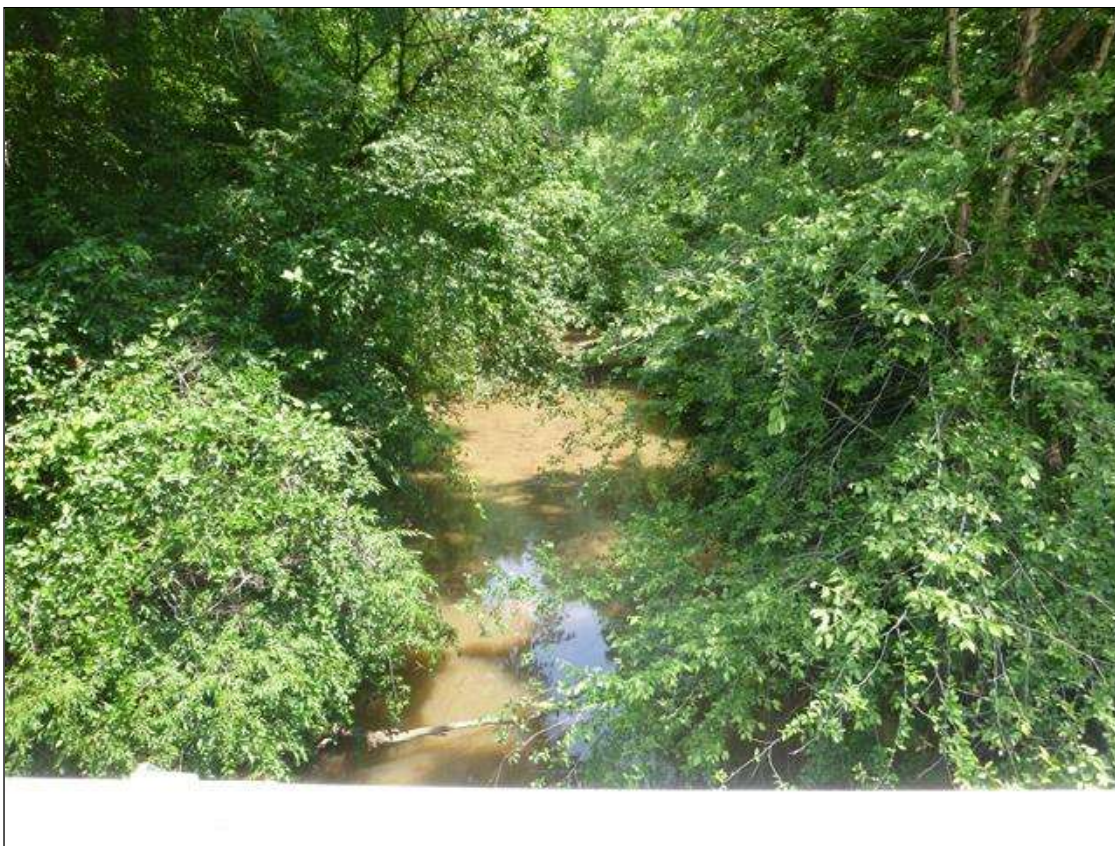
WEIGHT LIMIT SIGN AT NORTHWEST CORNER



DOWNSTREAM PROFILE LOOKING NORTH



LOOKING UPSTREAM WEST



LOOKING DOWNSTREAM EAST



UNDERSIDE OF SPAN 1



UNDERSIDE OF SPAN 2 WITH STEEL BEAMS UNDER CHANNELS 2,3, 8,AND 9



BENT 1 WITH CRUTCH BENT LOOKING SOUTH



CRUTCH BENT 1 SPAN 2 SUPPORT FOR CHANNELS 2 AND 3



BENT 2 WITH CRUTCH BENTS



BENT 3 LOOKING NORTH



BENT 4 LOOKING NORTH



END BENT 2 LOOKING NORTH



BOLT AND STEEL ANGLE SUPPORTS BETWEEN CHANNELS 8 AND 9 SPACED OUT IN SPAN 5

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

Run Date: 11/19/2015

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	980010		SUFFICIENCY RATING =	8.25		
(8) STRUCTURE NUMBER(FEDERAL)		000000001970010		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31017100					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	197	(4) PLACE CODE	0				
(6) FEATURE INTERSECTED -	SOUTH DEEP CREEK						
(7) FACILITY CARRIED	SR1710						
(9) LOCATION	.4 MI.S.JCT.US421						
(11)MILEPOINT		0					
(16)LAT	36° 6' 23.61"	(17)LONG	80° 35' 15.43"				
(98)BORDER BRIDGE STATE CODE		PCT SHARE					
(99)BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN:	Prestressed Concrete						
TYPE -	Channel Beam	CODE	522				
(44) STRUCTURE TYPE APPR :							
TYPE -		CODE	000				
(45) NUMBER OF SPANS IN MAIN UNIT		5					
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	2	CODE					
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -		CODE					
(B) TYPE OF MEMBRANE -		CODE					
(C) TYPE OF DECK PROTECTION -		CODE					
AGE AND SERVICE							
(27) YEAR BUILT		1963					
(106)YEAR RECONSTRUCTED							
(42) TYPE OF SERVICE : ON -	Highway						
UNDER -	Waterway	CODE	15				
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE	0				
(29) AVERAGE DAILY TRAFFIC		1500					
(30) YEAR OF ADT	2013	(109) TRUCK ADT PCT	6%				
(19) BYPASS OR DETOUR LENGTH		8 MI					
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN		30 FT					
(49) STRUCTURE LENGTH		151 FT					
(50)CURB OR SIDEWALK: LEFT	.5 FT	RIGHT	.5 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		24 FT					
(52) DECK WIDTH OUT TO OUT		25.583 FT					
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT					
(33) BRIDGE MEDIAN -	No Median	CODE	0				
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		24 FT					
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT					
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad	0 FT					
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad	000 FT					
(56) MIN LAT UNDERCLEAR LT REF -		000 FT					
NAVIGATION DATA							
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0				
(111)PIER PROTECTION -		CODE					
(39) NAVIGATION VERTICAL CLEARANCE		0					
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT					
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT					
				CLASSIFICATION			
				(112)NBIS BRIDGE SYSTEM -	YES		
				(104)HIGHWAY SYSTEM	Is not on NHS	0	
				(26) FUNCTIONAL CLASS -	Local	09	
				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
				(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
				(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
				(103)TEMPORARY STRUCTURE -	Temporary Structure/Conditions	T	
				(110)DESIGNATED NATIONAL NETWORK -	Not on the National Network	0	
				(20) TOLL	On Free Road	3	
				(31) MAINTAIN -	State Highway Agency	01	
				(22) OWNER -	State Highway Agency	01	
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5	
				CONDITION			
				(58) DECK	4		
				(59) SUPERSTRUCTURE	4		
				(60) SUBSTRUCTURE	4		
				(61) CHANNEL & CHANNEL PROTECTION	7		
				(62) CULVERTS	N		
				LOAD RATING AND POSTING			
				(31) DESIGN LOAD	Unknown	0	
				(63) OPERATING RATING METHOD -	Allowable Stress	2	
				(64) OPERATING RATING -	HS-1	1	
				(65) INVENTORY RATING METHOD -	Allowable Stress	2	
				(66) INVENTORY RATING -	HS-1	1	
				(70) BRIDGE POSTING -	Posting Required	1	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
				APPRAISAL			
				(67) STRUCTURAL EVALUATION	3		
				(68) DECK GEOMETRY	4		
				(69) UNDERCLEARANCES,VERTI & HORIZ	N		
				(71) WATERWAY ADEQUACY	7		
				(72) APPROACH ROADWAY ALIGNMENT	8		
				(36) TRAFFIC SAFETY FEATURES	0000		
				(113)SCOUR CRITICAL BRIDGES	U		
				PROPOSED IMPROVEMENTS			
				(75) TYPE OF WORK -	CODE		
				(76) LENGTH OF STRUCTURE IMPROVEMENT			
				(94) BRIDGE IMPROVEMENT COST			
				(95) ROADWAY IMPROVEMENT COST			
				(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT	3000	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE	06/10/2015		
				(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE		
				A) FRACTURE CRIT DETAIL -	NO	A)	
				B) UNDERWATER INSP -	NO	B)	
				C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 11/19/2015

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
YADKIN	11	1	980010	151	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1710	SOUTH DEEP CREEK

LOCATED :	BRIDGE NAME :	CITY :
.4 MI.S.JCT.US421		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	1500 2013	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1963	BMU			Unknown

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

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		21 FT		3		FT

SUPERSTRUCTURE :	PRESTRESSED CONCRETE CHANNELS
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SUBSTRUCTURE :	E.BTS&BTS:PPC CAPS/TIM.PILES;HELPER BTS:STL.CAPS/H-PILES
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SPANS :	1 @ 30'-3; 3 @ 30'; 1 @ 30'-3
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BEAMS OR GIRDERS :	10 PRESTRESSED CONCRETE CHANNELS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
PPC.CH./1.5 AWS	1 LN. UTILITY	25.583 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	25 FT	LT .5 FT RT .5 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Ch (BroknCabl e)	SV 20	26	11/19/2015

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	2	Span 3 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed prestressing cable in bottom of right leg at bent 3.	
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 3 CHANNEL/SLAB 4: 2 FEET OF EXPOSED PRESTRESSING: 18" SPALL WITH EXPOSED PRESTRESSING IN BOTTOM OF RIGHT LEG AT BENT 3.	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 3 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed and broken strand in right leg at bent 2.	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 2 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed strand in bottom of right leg at bent 2.	
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 2 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: 15" SPALL WITH EXPOSED STRAND ON RIGHT LEG AT BENT 1	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 4 Channel/Slab 7: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" spall with exposed cable in bottom of left leg at bent 3	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	2	Span 2 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 21" spall with exposed cable in bottom of left leg at bent 2.	
 3306	Maintain Concrete Superstructure Components	SF	1	Span 1 Channel/Slab 2: 1 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" x 3" x 2" deep spall on bottom of right leg at bent 1 with exposed cable.	
 3306	Maintain Concrete Superstructure Components	SF	5	Span 1 Channel/Slab 1: 5 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3" x 1.5" deep x 5' spall on bottom of right leg of channel near midspan with exposed cable.	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 5 Channel/Slab 2: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 22" spall with exposed strands in bottom of right leg at midspan.	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 4 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" long spall with exposed cable on bottom of left leg at bent 4..	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	1	Span 4 Channel / Slab 2 : 1 Feet of Exposed Prestressing: Present without section loss. 12" spall with exposed cable on bottom of right leg 9 ft. from bent 3.	
 3306	Maintain Concrete Superstructure Components	SF	2	Span 4 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed strands and 6" crack extending into span in bottom of left leg at bent 3.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 3	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 3 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed prestressing cable in bottom of right leg at bent 3.		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 3	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
SPAN 3 CHANNEL/SLAB 4: 2 FEET OF EXPOSED PRESTRESSING: 18" SPALL WITH EXPOSED PRESTRESSING IN BOTTOM OF RIGHT LEG AT BENT 3.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 3	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 3 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed and broken strand in right leg at bent 2.		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 2	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 2 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 18" spall with exposed strand in bottom of right leg at bent 2.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010 County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 2 CHANNEL LEG	
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
SPAN 2 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: 15" SPALL WITH EXPOSED STRAND ON RIGHT LEG AT BENT 1		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 4 CHANNEL LEG	
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 4 Channel/Slab 7: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" spall with exposed cable in bottom of left leg at bent 3		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 2	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 2 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 21" spall with exposed cable in bottom of left leg at bent 2.		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF
Location:		
Beams and Girders	Bent/Span No. 1	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 1 Channel/Slab 2: 1 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" x 3" x 2" deep spall on bottom of right leg at bent 1 with exposed cable.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders	Bent/Span No. 1	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/09/2015	VW WRENN	G GILLAND
Details		
Span 1 Channel/Slab 1: 5 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3" x 1.5" deep x 5' spall on bottom of right leg of channel near midspan with exposed cable.		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 5	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/10/2015	VW WRENN	G GILLAND
Details		
Span 5 Channel/Slab 2: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 22" spall with exposed strands in bottom of right leg at midspan.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010

County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 4	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/10/2015	VW WRENN	G GILLAND
Details		
Span 4 Channel/Slab 6: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 20" long spall with exposed cable on bottom of left leg at bent 4.. .		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF
Location:		
Beams and Girders	Bent/Span No. 4	CHANNEL LEG
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/10/2015	VW WRENN	G GILLAND
Details		
Span 4 Channel / Slab 2 : 1 Feet of Exposed Prestressing: Present without section loss. 12" spall with exposed cable on bottom of right leg 9 ft. from bent 3.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 980010 County YADKIN

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders	Bent/Span No. 4	CHANNEL 5
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
06/15/2015	VW WRENN	G GILLAND
Details		
Span 4 Channel/Slab 5: 2 Feet of Exposed Prestressing: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 16" spall with exposed strands and 6" crack extending into span in bottom of left leg at bent 3.		



SPAN 1 CHANNEL/SLAB 1: 5 FEET OF EXPOSED PRESTRESSING: 3" X 1.5" DEEP X 5' SPALL ON BOTTOM OF RIGHT LEG OF CHANNEL NEAR MIDSPAN WITH EXPOSED CABLE.



SPAN 1 CHANNEL/SLAB 2: 1 FEET OF EXPOSED PRESTRESSING: 16" X 3" X 2" DEEP SPALL ON BOTTOM OF RIGHT LEG AT BENT 1 WITH EXPOSED CABLE.



SPAN 2 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: 21" SPALL WITH EXPOSED CABLE IN BOTTOM OF LEFT LEG AT BENT 2.



SPAN 2 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: 15" SPALL WITH EXPOSED CABLE ON RIGHT LEG AT BENT 1



SPAN 2 CHANNEL/SLAB 6: 2 FEET OF EXPOSED PRESTRESSING: 18" SPALL WITH EXPOSED CABLE IN BOTTOM OF RIGHT LEG AT BENT 2.



SPAN 3 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: 16" SPALL WITH EXPOSED AND BROKEN CABLE IN RIGHT LEG AT BENT 2.



SPAN 3 CHANNEL/SLAB 6: 2 FEET OF EXPOSED PRESTRESSING: 18" SPALL WITH EXPOSED PRESTRESSING CABLE IN BOTTOM OF RIGHT LEG AT BENT 3.



SPAN 3 CHANNEL/SLAB 4: 2 FEET OF EXPOSED PRESTRESSING: 18" LONG SPALL WITH EXPOSED CABLE
IN RIGHT LEG AT BENT 3.



SPAN 4 CHANNEL/SLAB 7: 2 FEET OF EXPOSED PRESTRESSING: 20" SPALL WITH EXPOSED CABLE IN BOTTOM OF LEFT LEG AT BENT 3.



SPAN 4 CHANNEL / SLAB 2 : 1 FEET OF EXPOSED PRESTRESSING: PRESENT WITHOUT SECTION LOSS. 12"
SPALL WITH EXPOSED CABLE ON BOTTOM OF RIGHT LEG 9 FT. FRO



SPAN 4 CHANNEL/SLAB 6: 2 FEET OF EXPOSED PRESTRESSING: . 20" LONG SPALL WITH EXPOSED CABLE ON BOTTOM OF LEFT LEG AT BENT 4. .



SPAN 5 CHANNEL/SLAB 2: 2 FEET OF EXPOSED PRESTRESSING: 22" SPALL WITH EXPOSED CABLE IN BOTTOM OF RIGHT LEG AT MIDSPAN.

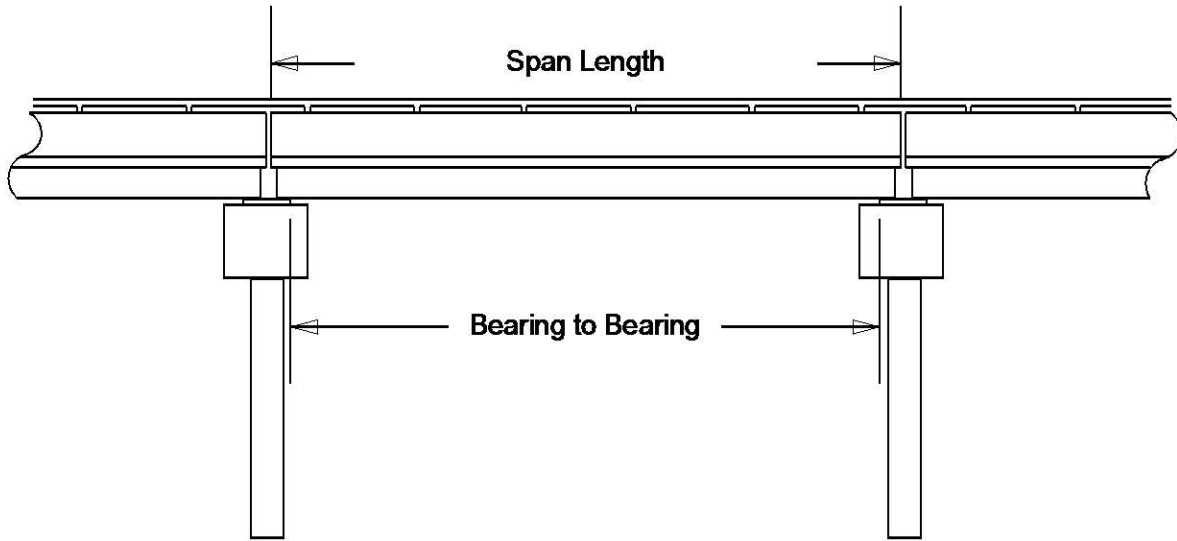


SPAN 4 CHANNEL/SLAB 5: 2 FEET OF EXPOSED PRESTRESSING: THE CONDITION WARRANTS A STRUCTURAL REVIEW TO DETERMINE THE EFFECT ON STRENGTH OR SERVICEABILITY

Structure Data Worksheet

Spans

County: YADKIN Structure No: 980010 Date: Inspected By: VWW



Span No	Span Length	Bearing to Bearing	Comments
1	30.25 ft.	29.583 ft.	
2	30.0 ft.	29.667 ft.	
3	30.0 ft.	29.667 ft.	
4	30.0 ft.	29.667 ft.	
5	30.25 FT.	29.583 ft.	NBIS BRIDGE LENGTH = 147.333'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 980010 County: YADKIN Date: By: VWW

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

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

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.9	TOP OF ABUT			
0.28	2.9	TOP OF ABUT			
0.29	4.3	Top of Cap			
0.3	7.8	FACE OF ABUT	0.3	7.3	FACE OF ABUT
5	8.8	SLOPE			
26	16.5	SLOPE			
30.3	16.3	BENT 1	30.3	14.3	BENT 1
50	18.7	SLOPE			
56	20.5	Water Surface/Water Edge (WSWE)			
60.3	22.4	BENT 2	60.3	23.6	BENT 2
70	23.5	BED			
83	22				
90.3	21.5	BENT 3	90.3	20	BENT 3
92.5	20.5	Water Surface/Water Edge (WSWE)			
97	17.6	SLOPE			
100	17.3	SLOPE			
112	15.6				
120.3	14	BENT 4	120.3	16.3	BENT 4
144	7.7	SLOPE			
150.3	7.1	FACE OF ABUT	150.3	7.6	FACE OF ABUT
150.31	4.3	Top of Cap			
150.32	2.7	TOP OF ABUT			
150.5	2.7	TOP OF ABUT			

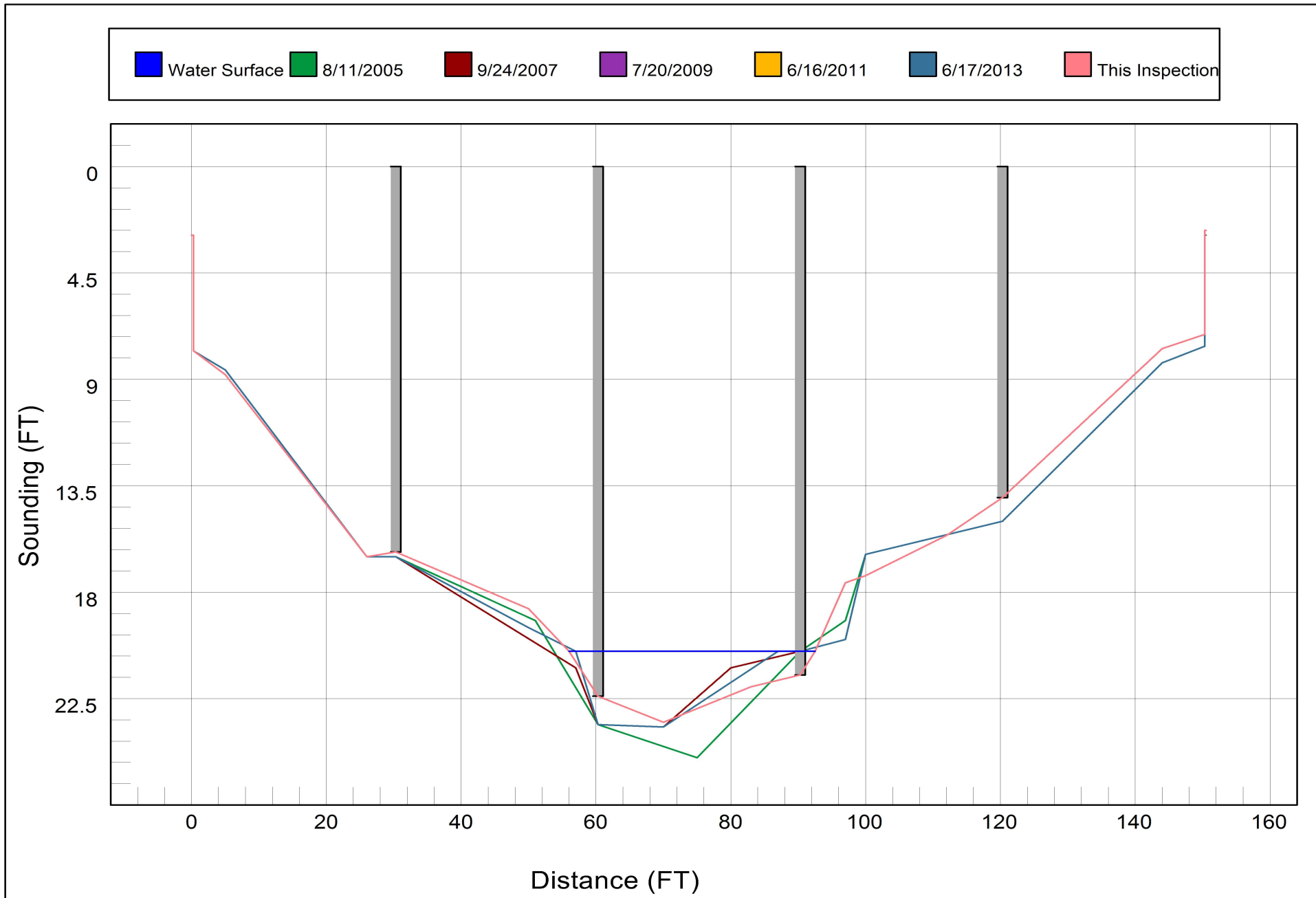
Bridge: 980010

County YADKIN

Date:

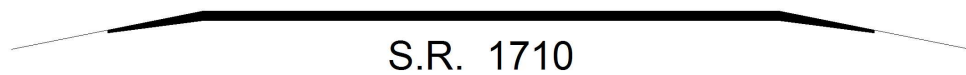
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD



S.R. 1710

LOOKING NORTH

Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	5ft Wide		5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Right Guardrail			

APPROVED VWW 6-10-15

Title

APPR. RDWY.

Description

APPR. RDWY.

Bridge No: 980010

Drawn By: RAP

Date: 08/10/2005

File Name: S0138000377

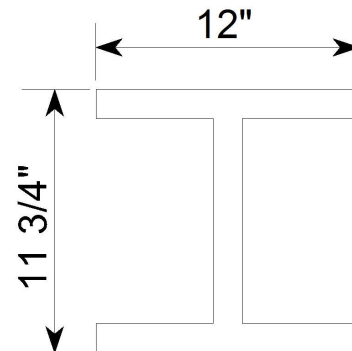
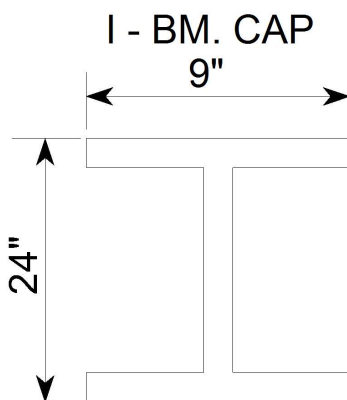
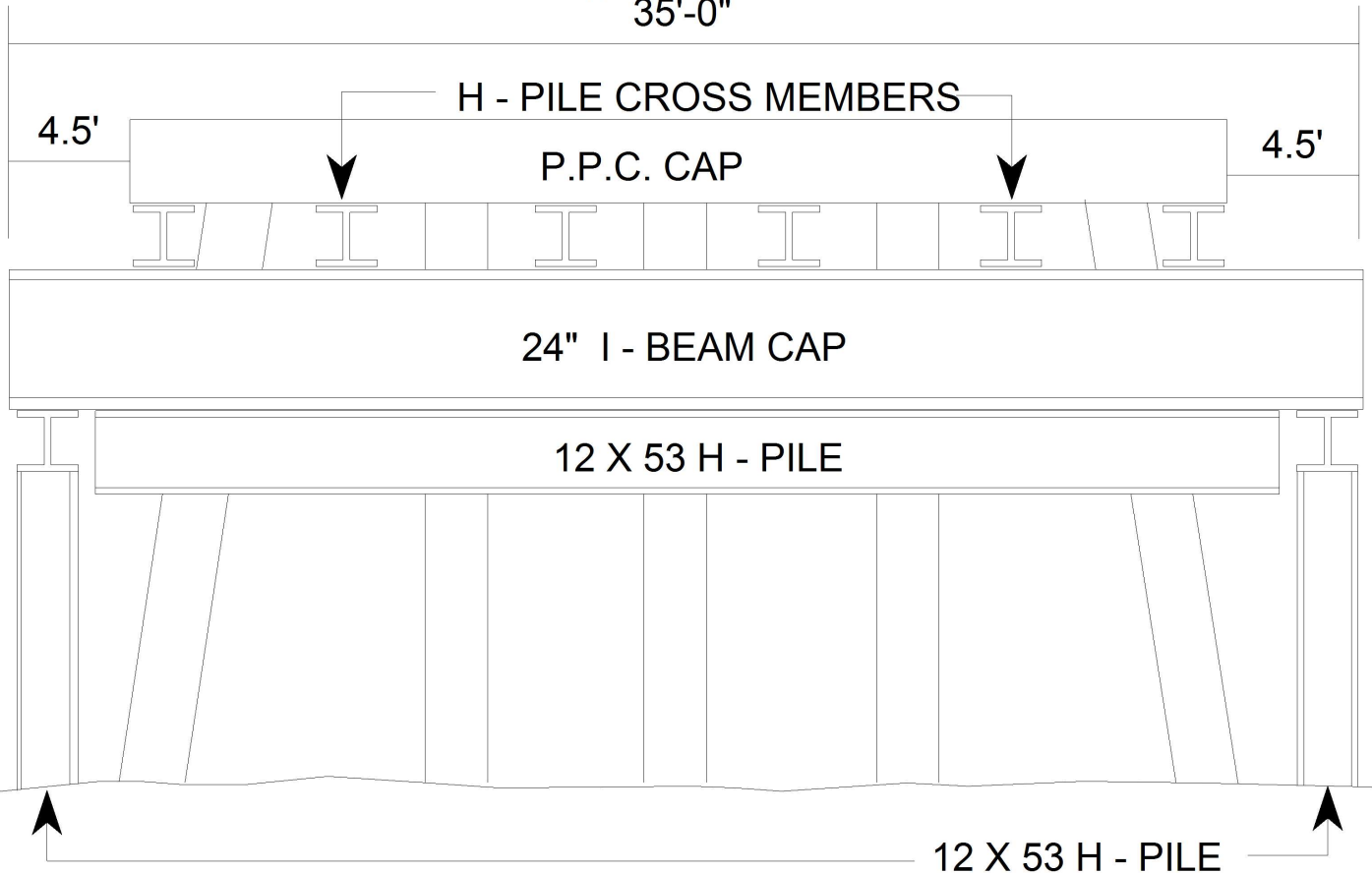
Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD

SCALE: N.T.S.

SHORING @ PIER # 2 & 3

ELEVATION
35'-0"



REVISED VWW 6-10-15

FLANGE THICKNESS: 1/2"
WEB THICKNESS: 3/8"

FLANGE THICKNESS: 7/16"
WEB THICKNESS: 7/16"

Title

SHORING @ PIER # 2 & 3

Description

SHORING @ PIER # 2 & 3

Bridge No: 980010

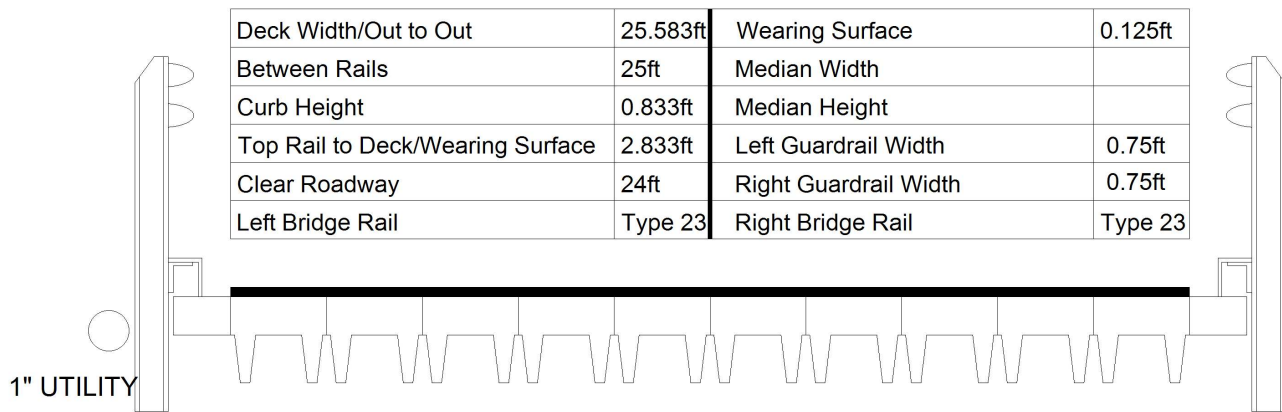
Drawn By: RAP

Date: 9/12/2007

File Name: S0138002490

Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD



Measurements for Span #	1		
Deck Thickness	0.417	Left Overhang	0.292
Top of Rail to Bottom of Beam	4.333	Right Overhang	0.292

No. of Channels	10
Leg Width	0.209ft
Leg Height	1.4171ft
Leg to Leg (Centers)	1.792ft
Channel Width	2.5ft
Channel Height	1.417ft
Comments	

APPROVED VWW 6-10-15

Title

SUPER

Description

DECK SECTION

Bridge No: 980010

Drawn By: RAP

Date: 08/10/2005

File Name: S0138000378

Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD

SCALE: N.T.S.

END VIEW

APPROVED VWW 6-10-15

P.P.C.
CAP

H - PILE

24" I - BM.

24" I - BM

H - PILE

4' - 6"

H - PILE

TIMBER PILE

H - PILE

Title

SHORING @ PIER # 2 & 3 B

Description

SHORING @ PIER # & 3 END VIEW

Bridge No: 980010

Drawn By: RAP

Date: 9/12/2007

File Name: S0138002491

Bridge Inspection Field Sketch

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Abutment #	1		
Cap - Pre-Cast			
Cap Size	26ft Long	1.333ft Wide	1ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	0.5ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	0.625ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.75		1		Vertical
2	Wood or Timber	Pile Bent	5.75		1		Vertical
3	Wood or Timber	Pile Bent	5.75		1		Vertical
4	Wood or Timber	Pile Bent	5.75		1		Vertical
5	Wood or Timber	Pile Bent			1		Vertical

BM. OUT FOR PIER 1 LT.: 7"; RT: 6"

BM. OUT FOR PIER 2 LT: 6 1/2"; RT.: 6"

BM. OUT FOR PIER 3 LT.: 4 1/2"; RT.: 8"

BM. OUT FOR PIER 4 LT.: 5"; RT.: 6"

BM. OUT FOR ABUT. 2 LT.: 6"; RT.: 4 1/2"

PILE 2 , 3 AT PIER 3 ENC. IN CONC.

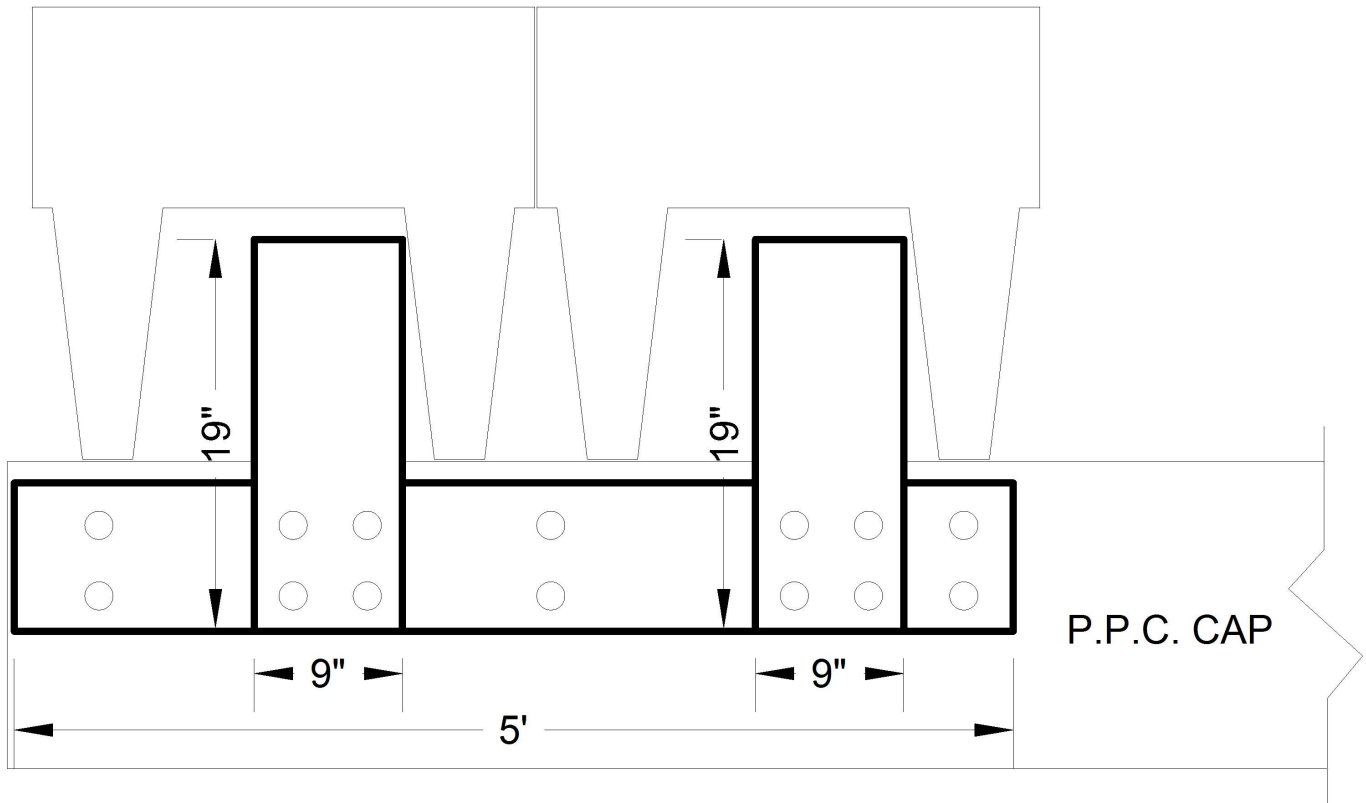
APPROVED VWW 6-10-15

EXTERIOR PIER PILES ARE BATTERED.

Title		Description	
SUBST.		ABUTS AND PIERS	
Bridge No:	980010	Drawn By:	RAP
Date:	08/10/2005	File Name:	S0138000379

Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD



NORTH FACE PIER # 4 SHOWN

STEEL PLATES BOLTED TO CAP @ PIER # 4 & ABUT. # 2

AT CHANNEL # 9 & 10; PLATES KEEP CHANNELS FROM SEPARATING

SCALE: N.T.S.

APPROVED VWV 6-10-15

Title
CHANNEL LEG STABILIZATION

Description
CHANNEL # 9 & 10

Bridge No: 980010

Drawn By: RAP

Date: 9/12/2007

File Name: S0138002492

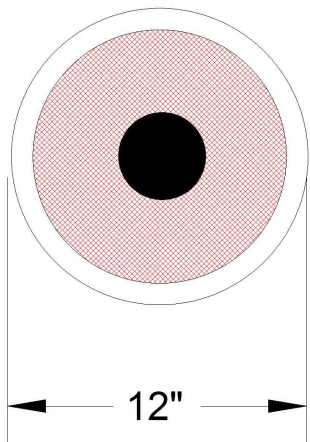
Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD
APPROVED VWW 6-10-15

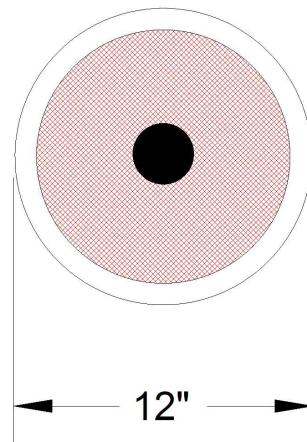
PIER # 2 HAS BEEN SHORED: 6/16/11

PILE # 1 & 2 @ PIER # 2 HAVE APPROX 85% DECAY
DECAY EXTENDS FROM STREAMBED UP APPROX. 6'

PILE # 1
1/2" SHELL' 4" CORE



PILE # 2
1/2" SHELL' 2" CORE



SCALE: N.T.S.

Title
PILE DECAY

Description
PILE # 1 & 2 @ PIER # 2

Bridge No: 980010

Drawn By: RAP

Date: 7/20/2009

File Name: S0138072489

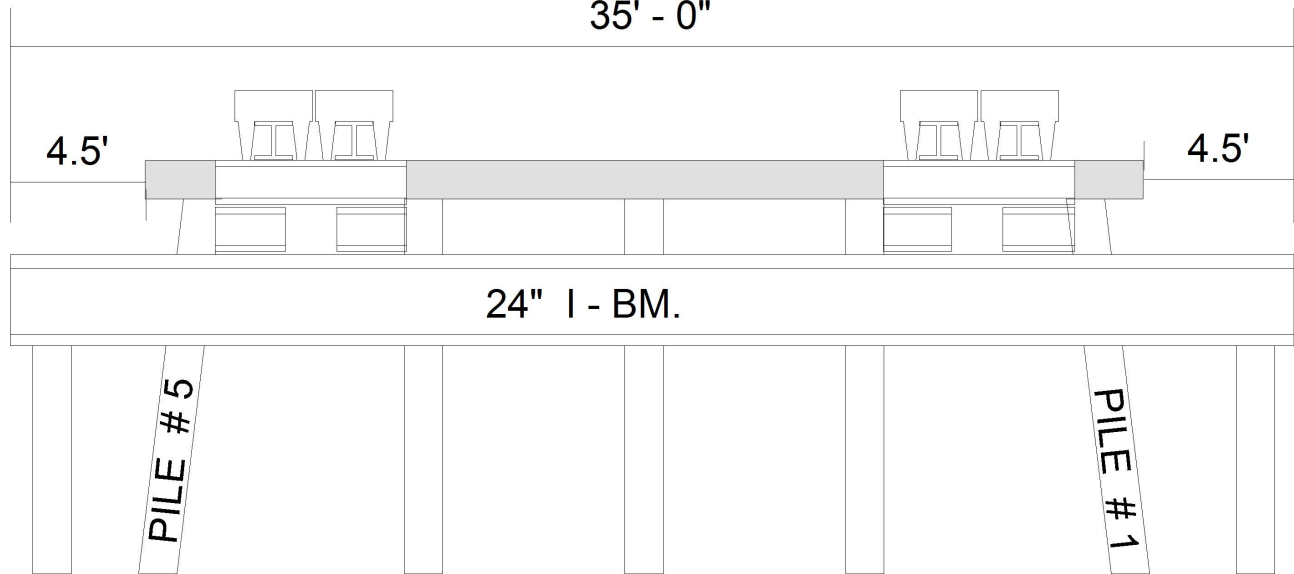
Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD

35' - 0"

4.5'

4.5'



24" I - BM.

PILE # 5

PILE # 1

SHORING ON NORTH SIDE OF PIER # 1

12 X 53 H - PILE

12 X 53 H - PILE

2- 12" BEAMS

3 - 3/4" X 4"
STEEL PLATES

12 X 53 H - PILE BLOCK

H - PILE BLOCK

H - PILE BLOCK

2- 12" X 6.5" FLANGE BEAMS UNDER CHANNELS INSTEAD OF ONE BEAM

DETAIL OF SHORING UNDER CHANNEL # 2,3,8,9

SCALE: N.T.S.

REVISED VWW 6-10-15

Title

SHORING @ PIER # 1

Description

SHORING @ PIER # 1

Bridge No: 980010

Drawn By: RAP

Date: 6/16/2011

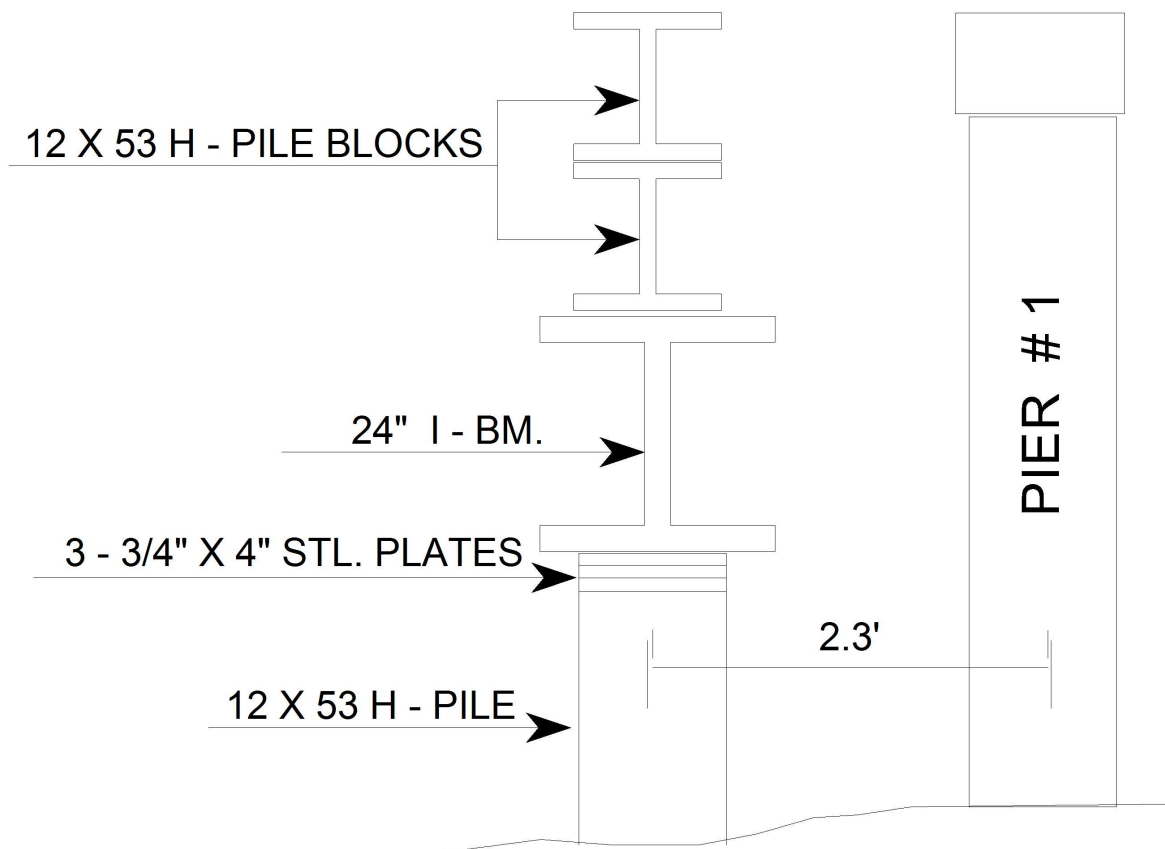
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Bridge Inspection Field Sketch

VERIFIED 6/17/13 R.A. PIERCE, M. FORD

END VIEW OF SHORING @ PIER # 1

12 X 53 H - PILE BLOCKS PLACED UNDER CHANNEL # 2,3,8,9 IN SPAN # 2



REVISED VWW 6-10-15

SCALE: N.T.S.

← NORTH

Title

SHORING @ PIER # 1 B

Description

END VIEW

Bridge No: 980010

Drawn By: RAP

Date: 6/16/2011

File Name: S0138072669

Bridge Inspection Field Sketch

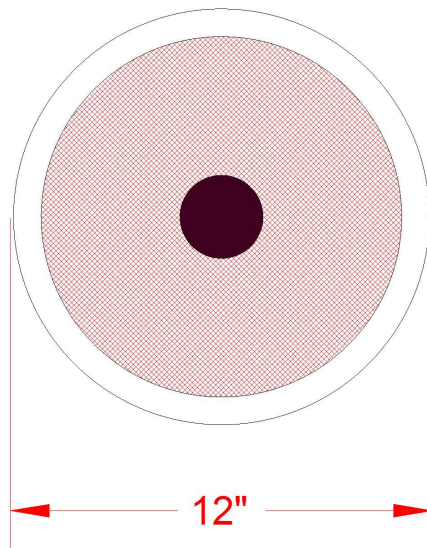
VERIFIED 6/17/13 R.A. PIERCE, M. FORD
APPROVED VWW 6-10-15

APPROX. 85% DECAY IN PILE # 5 @ PIER # 4

DECAY EXTENDS FROM GROUNDLINE UP APPROX. 3'

PILE REPAIRED W/CONC. ENCASEMENT 6/17/13

1/2" SHELL; 2" CORE



SCALE: N.T.S.

Title		Description	
PILE DECAY @ PIER # 4		PILE # 5	
Bridge No: 980010	Drawn By: RAP	Date: 6/16/2011	File Name: S0138072670