

# Bridge Inspection Report

**03537**

**SH 46-02 LM 8.19**

**over**

**Saline River Relief**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/29/2016
(8) STRUCTURE NUMBER	03537	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 46 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 053	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Saline River Relief	C. OTHER SPECIAL	Y 24 07/19/2017
(7) FACILITY CARRIED	SH 46-02 LM 8.19	<b>CONDITION</b>	
(9) LOCATION	0.4 Mi N SalineRvr-JenkFr	(58) DECK	6
(11) MILEPOINT 8.190	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(16) LATITUDE 34.21680	(17) LONGITUDE -92.54354	<b>LOAD RATING AND POSTING</b>	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	2
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
<b>STRUCTURE TYPE AND MATERIAL</b>		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	22 - Channel Beam	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	<b>APPRAISAL</b>	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	5
(45) NUMBER OF SPANS IN MAIN	19 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	2 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	6
<b>AGE OF SERVICE</b>		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1966 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 9	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	1700 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	3
<b>GEOMETRIC DATA</b>		SUFFICIENCY RATING	71.3 STATUS ND
(48) LENGTH OF MAX SPAN (ft.)	19 (49) STRUCTURE LENGTH (ft.)	<b>CLASSIFICATION</b>	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1 RIGHT 1	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	25.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(32) APPROACH ROADWAY WIDTH (ft.)	26.9	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	26.9	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
<b>PROPOSED IMPROVEMENTS</b>		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	<b>NAVIGATION DATA</b>	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	5
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	1042 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>16 - Reinforced Concrete Top Flange</b>	1- Ben.	10108	sq. ft.	10108			
<div>Note: 1.5" of ACHM overlay on deck</div>	Deck: 28' wide x 361' long. Asphalt wearing surface - various locations: Large-size cracking in wearing surface - transversely at several bents and longitudinally at joints between units at a couple locations. Cracks are allowing stormwater to leak down through joints and onto caps or legs of units. Minor- to moderate-sized transverse cracks at remaining joints at bents.  Cracking - 18 bents @ 26' each x 1' wide = 468 sqft plus 4 longitudinal locations @ 19' x 2' each = 152 sqft.						
	510 - Wearing Surfaces	9386	sq. ft.	8766	620	0	0
3220 - Crack (Wearing Surface)		620			620		

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## Bridge Inspection Report

## Element Inspection

110 - Reinforced Concrete Open Girder/Beam	1- Ben.	2888	ft.	2399	489	0	0
<p>Girders: 8 per span / 19' spans (19 spans) = 361' total (channel beam units).</p> <p>Channel beam units: Spalling with steel exposed (minor section loss) along bottom of legs at locations indicated:</p> <p>Span 1 Unit 1: Right leg at 60% point – 1' long.</p> <p>Span 1 Unit 4: Left leg 95% point – 1' long.</p> <p>Span 1 Unit 4: Left leg at 35% point – 1' long.</p> <p>Span 2 Unit 4: Left leg at 50% point – 3' long.</p> <p>Span 2 Unit 4: Right leg at 50% point – 4' long.</p> <p>Span 2 Unit 4: Right leg at 85% point – 3' long.</p> <p>Span 2 Unit 6: Left leg at <math>\frac{3}{4}</math> point – 2' long.</p> <p>Span 2 Unit 8: Left leg at 20% point – 2' long.</p> <p>Span 3 Unit 1: Right leg at <math>\frac{1}{3}</math> point – 3' long.</p> <p>Span 3 Unit 8: Left leg at 80% point – 3' long.</p> <p>Span 4 Unit 1: Right leg at 15% – 3' long.</p> <p>Span 4 Unit 5: Left leg at 50% point – 1' long.</p> <p>Span 4 Unit 5: Right leg at 60% point – 1' long.</p> <p>Span 5 Unit 1: Right leg at 25% point – 3' long.</p> <p>Span 7 Unit 4: Left leg at 25% point – 3' long.</p> <p>Span 7 Unit 5: Left leg at 50% point – 2' long.</p> <p>Span 7 Unit 8: Left leg at 10- 50% point – 9' long.</p> <p>Span 8 Unit 8: Left leg at 25% point – 1' long.</p> <p>*Span 8 Unit 1: Right leg at 0% - 50% point – 10' long.</p> <p>*Span 8 Unit 1: Right leg at <math>\frac{2}{3}</math> point – 1' long.</p> <p>* - somewhat patched over</p> <p>Span 8 Unit 5: Right leg at <math>\frac{1}{3}</math> point – 6' long.</p> <p>Span 11 Unit 1: Right leg at 50 – 85% point – 8' long.</p> <p>Span 11 Unit 2: Left leg at 25% point – 4' long.</p> <p>Span 11 Unit 2: Left leg at 50 – 100% point – 10' long.</p> <p>Span 11 Unit 3: Right leg at 15% point – 2' long.</p> <p>Span 11 Unit 8: Left leg at <math>\frac{2}{3}</math> point – 2' long.</p> <p>Span 12 Unit 3: Right at <math>\frac{1}{3}</math> point – 3' long.</p> <p>Span 12 Unit 3: Right leg at 55% point – 3' long.</p> <p>Span 13 Unit 2: Left leg at <math>\frac{1}{4}</math> point – 1' long.</p> <p>Span 13 Unit 2: Left leg at 85% point – 1' long.</p> <p>Span 13 Unit 3: Right leg at 50% point – 4' long.</p> <p>Span 13 Unit 7: Right leg at 5% - <math>\frac{1}{3}</math> point – 6' long.</p> <p>Span 14 Unit 4: Left leg at 20% - 50% point – 8' long.</p> <p>Span 14 Unit 4: Right leg at 80% point – 1' long.</p> <p>Span 14 Unit 7: Left leg at <math>\frac{2}{3}</math> point – 4' long.</p> <p>Span 15 Unit 3: Left leg at <math>\frac{1}{3}</math> point – 3' long.</p> <p>Span 15 Unit 4: Right leg at 55% point – 1' long.</p> <p>Span 15 Unit 7: Left leg at 50% point – 4' long.</p> <p>Span 16 Unit 6: Left leg at 95% point – 1' long.</p> <p>Span 17 Unit 8: Left leg at 50% point – 2' long.</p> <p>Span 17 Unit 8: Left leg at 90% point – 2' long.</p> <p>Span 18 Unit 6: Right leg at 50% point – 3' long.</p> <p>Span 18 Unit 1: Right leg at <math>\frac{1}{3}</math> point – 2' long.</p> <p>Span 18 Unit 7: Right leg at 50% point – 2' long.</p> <p>Span 19 Unit 1: Left leg at <math>\frac{3}{4}</math> point – 1' long.</p> <p>Span 19 Unit 2: Left leg at 85% point – 3' long.</p> <p>Span 19 Unit 8: Left leg at <math>\frac{3}{4}</math> point – 2' long. (129' total)</p>							

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### Element Inspection

Channel beam units: Cracking and delaminations along bottom of legs at locations indicated:

Span 3 Unit 3: Right leg at 25% point – 3' long.  
Span 3 Unit 3: Right leg at 75% point – 2' long.  
Span 3 Unit 5: Left leg at 75% – 1' long.  
Span 3 Unit 5: Right leg 65% point – 3' long.  
Span 4 Unit 4: Left leg at 65% point – 2' long.  
Span 4 Unit 4: Left leg at 95% point – 1' long.  
Span 4 Unit 8: Left leg 70% point – 3' long.  
Span 5 Unit 1: Right leg at 75% – 4' long.  
Span 5 Unit 4: Left leg at 25-60% point – 8' long.  
Span 6 Unit 1: Right leg at 10% point – 1' long.  
Span 6 Unit 1: Right leg at 40% point – 1' long.  
Span 6 Unit 2: Left leg at 5% point – 1' long.  
Span 7 Unit 1: Right leg at 45% point – 1' long.  
Span 7 Unit 4: Left leg at 2/3 point – 1' long.  
Span 7 Unit 5: Left leg at 40% point – 4' long.  
Span 7 Unit 5: Right leg at 25% point – 4' long.  
Span 7 Unit 5: Right leg at 50% point – 2' long.  
Span 8 Unit 8: Left leg at 75% point – 1' long.  
Span 11 Unit 8: Left leg at 45% point – 2' long.  
Span 12 Unit 1: Right leg at 75% point – 2' long.  
Span 12 Unit 2: Right leg at 75% point – 2' long.  
Span 12 Unit 5: Left leg at 1/3 point – 4' long.  
Span 12 Unit 5: Left leg at 2/3 point – 3' long.  
Span 13 Unit 1: Right leg at 55% point – 2' long.  
Span 13 Unit 2: Left leg at 1/4 - 2/3 point – 10' long.  
Span 13 Unit 2: Right leg at 20 – 50% point – 5' long.  
Span 13 Unit 3: Left leg at 50% point – 5' long.  
Span 13 Unit 3: Right leg at 5% - 1/3 point – 6' long.  
Span 13 Unit 4: Left leg at 2/3 point – 5' long.  
Span 13 Unit 4: Right leg at 1/4 - 3/4 point – 12' long.  
Span 13 Unit 5: Left leg at 45% point – 2' long.  
Span 13 Unit 6: Left leg at 2/3 point – 3' long.  
Span 13 Unit 6: Right leg at 45% point – 5' long.  
Span 13 Unit 6: Right leg at 90% point – 2' long.  
Span 13 Unit 7: Left leg at 5% point – 2' long.  
Span 14 Unit 2: Right leg at 1/3 point – 4' long.  
Span 14 Unit 2: Right leg at 2/3 point – 2' long.  
Span 14 Unit 4: Left leg at 10% point – 1' long.  
Span 14 Unit 4: Left leg at 2/3 point – 3' long.  
Span 14 Unit 4: Right leg 1/4 point – 2' long.  
Span 14 Unit 7: Right leg at 2/3 point – 3' long.  
Span 15 Unit 4: Left leg at 10% point – 3' long.  
Span 11 Unit 8: Left leg at 45% point – 2' long.  
Span 12 Unit 1: Right leg at 75% point – 2' long.  
Span 12 Unit 2: Right leg at 75% point – 2' long.  
Span 12 Unit 5: Left leg at 1/3 point – 4' long.  
Span 12 Unit 5: Left leg at 2/3 point – 3' long.  
Span 13 Unit 1: Right leg at 55% point – 2' long.  
Span 13 Unit 2: Left leg at 1/4 - 2/3 point – 10' long.  
Span 13 Unit 2: Right leg at 20 – 50% point – 5' long.  
Span 13 Unit 3: Left leg at 50% point – 5' long.  
Span 13 Unit 3: Right leg at 5% - 1/3 point – 6' long.  
Span 13 Unit 4: Left leg at 2/3 point – 5' long.  
Span 13 Unit 4: Right leg at 1/4 - 3/4 point – 12' long.

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## Element Inspection

Span 13 Unit 5: Left leg at 45% point – 2' long.  
 Span 13 Unit 6: Left leg at 2/3 point – 3' long.  
 Span 13 Unit 6: Right leg at 45% point – 5' long.  
 Span 13 Unit 6: Right leg at 90% point – 2' long.  
 Span 13 Unit 7: Left leg at 5% point – 2' long.  
 Span 13 Unit 7: Left leg at 1/3 point – 2' long.  
 Span 14 Unit 2: Right leg at 1/3 point – 4' long.  
 Span 14 Unit 2: Right leg at 2/3 point – 2' long.  
 Span 14 Unit 4: Left leg at 10% point – 1' long.  
 Span 14 Unit 4: Left leg at 2/3 point – 3' long.  
 Span 14 Unit 4: Right leg 1/4 point – 2' long.  
 Span 14 Unit 7: Right leg at 2/3 point – 3' long.  
 Span 15 Unit 4: Left leg at 10% point – 3' long.  
 Span 15 Unit 4: Left leg at 50% point – 2' long.  
 Span 15 Unit 4: Right leg at 2/3 point – 2' long.  
 Span 15 Unit 7: Left leg at 2/3 point – 4' long.  
 Span 15 Unit 7: Right leg at 2/3 point – 8' long.  
 Span 15 Unit 8: Left leg at 1/3 – 95% point – 14' long.  
 Span 16 Unit 3: Right leg at 2/3 point – 3' long.  
 Span 16 Unit 5: Right leg at 1/4 point – 5' long.  
 Span 16 Unit 6: Right leg at from 5% - 1/3 point – 5' long.  
 Span 16 Unit 7: Right leg (entire leg) – 19' long.  
 Span 16 Unit 8: Left leg at 90% point – 1' long.  
 Span 17 Unit 2: Left leg 50% point – 2' long.  
 Span 17 Unit 3: Right leg at 50% – 2' long.  
 Span 17 Unit 4: Left leg at 45% point – 2' long.  
 Span 17 Unit 4: Right leg at 50% point – 2' long.  
 Span 17 Unit 7: Left leg at 5% point – 1' long.  
 Span 17 Unit 7: Right leg 3/4 point – 2' long.  
 Span 17 Unit 8: Left leg at 5% - midspan point – 10' long.  
 Span 18 Unit 1: Right leg at from 1/3 – 2/3 – 4' long.  
 Span 18 Unit 3: Left leg at 40% point – 1' long.  
 Span 18 Unit 4: Left leg at 40% point – 3' long.  
 Span 18 Unit 5: Right leg at 0% - 1/3 point – 6' long.  
 Span 18 Unit 7: Right leg 15% point – 1' long.  
 Span 19 Unit 3: Left leg at 5% point – 2' long.  
 Span 19 Unit 3: Right leg at 5 – 50% point – 8' long. (359' total)

Span 5 Unit 8 left: Moderate-sized vertical crack at 3/4 span.

NOTE: State forces have cleaned, patched, and grouted over the cracks, delaminations, and spalls at many locations - however, reinforcing steel is still corroding underneath and grout is cracking as the corrosion expands - quantities remain in State 2.

1080 - Delamination/Spall/Patched Area		359			359		
1090 - Exposed Rebar		129			129		
1130 - Cracking (RC and Other)		1			1		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	72	ft.	72			

Abutments: 36' each / Bents 1 & 20.

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## Element Inspection

<b>227 - Reinforced Concrete Pile</b>	1- Ben.	54	each	50	4	0	0
	Piling: 3 per bent / Bents 2-19. Some very minor abrasion and loss of mortar on surface, especially near waterline.  Scour: Minor, localized scour at Bent 16 Pile 3 and Bent 17 Piles 1-3.						
6000 - Scour		4			4		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	504	ft.	477	21	6	0
	Caps: 28' each / Bents 2-19. Bent 5: Some minor cracking on back and ahead faces, especially under Units 3-6 (15'). Bent 6: Some minor cracking, delaminations, and spalls - with some rebar exposed - on ahead face, especially under Units 3-6 (6' rebar exposed - 4' cracking). Bent 14 right: End of cap has contaminated concrete with heavy spalling on top corner of cap 2-3" deep (outside deck unit). Remaining caps: A few very minor areas of cracking, delamination, and small shallow spalls at various locations on cap surfaces.						
1080 - Delamination/Spall/Patched Area		2			2		
1090 - Exposed Rebar		6				6	
1130 - Cracking (RC and Other)		19			19		
<b>330 - Metal Bridge Railing</b>	1- Ben.	722	ft.	722			
	Railing: 361' each side. Coating: 2.3 square feet \ linear feet of railing.  Metal railing with concrete posts.						
515 - Steel Protective Coating		1661	sq. ft.	1661			

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 7/16/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Bent 5: Some minor cracking on back and ahead faces, especially under Units 3-6.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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#### Stage: Monitor



PHOTO 1    Description    Cap - Bent 5 ahead (cracking)



Inspector:

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Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 7/16/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

### Deficiency Description:

Channel beam units: Spalling with steel exposed (minor section loss) along bottom of legs at locations indicated:

- Span 1 Unit 1: Right leg at 60% point – 1' long.
- Span 1 Unit 4: Left leg 95% point – 1' long.
- Span 1 Unit 4: Left leg at 35% point – 1' long.
- Span 2 Unit 4: Left leg at 50% point – 3' long.
- Span 2 Unit 4: Right leg at 50% point – 4' long.
- Span 2 Unit 4: Right leg at 85% point – 3' long.
- Span 2 Unit 6: Left leg at  $\frac{3}{4}$  point – 2' long.
- Span 2 Unit 8: Left leg at 20% point – 2' long.
- Span 3 Unit 1: Right leg at  $\frac{1}{3}$  point – 3' long.
- Span 3 Unit 8: Left leg at 80% point – 3' long.
- Span 4 Unit 1: Right leg at 15% – 3' long.
- Span 4 Unit 5: Left leg at 50% point – 1' long.
- Span 4 Unit 5: Right leg at 60% point – 1' long.
- Span 5 Unit 1: Right leg at 25% point – 3' long.
- Span 7 Unit 4: Left leg at 25% point – 3' long.
- Span 7 Unit 5: Left leg at 50% point – 2' long.
- Span 7 Unit 8: Left leg at 10- 50% point – 9' long.
- Span 8 Unit 8: Left leg at 25% point – 1' long.
- \*Span 8 Unit 1: Right leg at 0% - 50% point – 10' long.
- \*Span 8 Unit 1: Right leg at  $\frac{2}{3}$  point – 1' long.
- \* - somewhat patched over
- Span 8 Unit 5: Right leg at  $\frac{1}{3}$  point – 6' long.
- Span 11 Unit 1: Right leg at 50 – 85% point – 8' long.
- Span 11 Unit 2: Left leg at 25% point – 4' long.
- Span 11 Unit 2: Left leg at 50 – 100% point – 10' long.
- Span 11 Unit 3: Right leg at 15% point – 2' long.
- Span 11 Unit 8: Left leg at  $\frac{2}{3}$  point – 2' long.
- Span 12 Unit 3: Right at  $\frac{1}{3}$  point – 3' long.
- Span 12 Unit 3: Right leg at 55% point – 3' long.
- Span 13 Unit 2: Left leg at  $\frac{1}{4}$  point – 1' long.
- Span 13 Unit 2: Left leg at 85% point – 1' long.
- Span 13 Unit 3: Right leg at 50% point – 4' long.
- Span 13 Unit 7: Right leg at 5% -  $\frac{1}{3}$  point – 6' long.
- Span 14 Unit 4: Left leg at 20% - 50% point – 8' long.
- Span 14 Unit 4: Right leg at 80% point – 1' long.
- Span 14 Unit 7: Left leg at  $\frac{2}{3}$  point – 4' long.
- Span 15 Unit 3: Left leg at  $\frac{1}{3}$  point – 3' long.
- Span 15 Unit 4: Right leg at 55% point – 1' long.
- Span 15 Unit 7: Left leg at 50% point – 4' long.
- Span 16 Unit 6: Left leg at 95% point – 1' long.
- Span 17 Unit 8: Left leg at 50% point – 2' long.
- Span 17 Unit 8: Left leg at 90% point – 2' long.
- Span 18 Unit 6: Right leg at 50% point – 3' long.
- Span 18 Unit 1: Right leg at  $\frac{1}{3}$  point – 2' long.
- Span 18 Unit 7: Right leg at 50% point – 2' long.
- Span 19 Unit 1: Left leg at  $\frac{3}{4}$  point – 1' long.
- Span 19 Unit 2: Left leg at 85% point – 3' long.

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Span 19 Unit 8: Left leg at 3/4 point – 2' long.

NOTE: State forces have cleaned, patched, and grouted over the cracks, delaminations, and spalls at many locations - however, reinforcing steel is still corroding underneath and grout is cracking as the corrosion expand

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      Span 11 Units 1-2 (rebar exposed)

Stage: Monitor



PHOTO 2      Description      Span 5 Unit 1 right (rebar exposed)

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 7/16/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Channel beam units: Cracking and delaminations along bottom of legs at locations indicated:

Span 3 Unit 3: Right leg at 25% point – 3' long.  
Span 3 Unit 3: Right leg at 75% point – 2' long.  
Span 3 Unit 5: Left leg at 75% – 1' long.  
Span 3 Unit 5: Right leg 65% point – 3' long.  
Span 4 Unit 4: Left leg at 65% point – 2' long.  
Span 4 Unit 4: Left leg at 95% point – 1' long.  
Span 4 Unit 8: Left leg 70% point – 3' long.  
Span 5 Unit 1: Right leg at 75% – 4' long.  
Span 5 Unit 4: Left leg at 25-60% point – 8' long.  
Span 6 Unit 1: Right leg at 10% point – 1' long.  
Span 6 Unit 1: Right leg at 40% point – 1' long.  
Span 6 Unit 2: Left leg at 5% point – 1' long.  
Span 7 Unit 1: Right leg at 45% point – 1' long.  
Span 7 Unit 4: Left leg at 2/3 point – 1' long.  
Span 7 Unit 5: Left leg at 40% point – 4' long.  
Span 7 Unit 5: Right leg at 25% point – 4' long.  
Span 7 Unit 5: Right leg at 50% point – 2' long.  
Span 8 Unit 8: Left leg at 75% point – 1' long.  
Span 11 Unit 8: Left leg at 45% point – 2' long.  
Span 12 Unit 1: Right leg at 75% point – 2' long.  
Span 12 Unit 2: Right leg at 75% point – 2' long.  
Span 12 Unit 5: Left leg at 1/3 point – 4' long.  
Span 12 Unit 5: Left leg at 2/3 point – 3' long.  
Span 13 Unit 1: Right leg at 55% point – 2' long.  
Span 13 Unit 2: Left leg at 1/4 - 2/3 point – 10' long.  
Span 13 Unit 2: Right leg at 20 – 50% point – 5' long.  
Span 13 Unit 3: Left leg at 50% point – 5' long.  
Span 13 Unit 3: Right leg at 5% - 1/3 point – 6' long.  
Span 13 Unit 4: Left leg at 2/3 point – 5' long.  
Span 13 Unit 4: Right leg at 1/4 - 3/4 point – 12' long.  
Span 13 Unit 5: Left leg at 45% point – 2' long.  
Span 13 Unit 6: Left leg at 2/3 point – 3' long.  
Span 13 Unit 6: Right leg at 45% point – 5' long.  
Span 13 Unit 6: Right leg at 90% point – 2' long.  
Span 13 Unit 7: Left leg at 5% point – 2' long.  
Span 14 Unit 2: Right leg at 1/3 point – 4' long.  
Span 14 Unit 2: Right leg at 2/3 point – 2' long.  
Span 14 Unit 4: Left leg at 10% point – 1' long.  
Span 14 Unit 4: Left leg at 2/3 point – 3' long.  
Span 14 Unit 4: Right leg 1/4 point – 2' long.  
Span 14 Unit 7: Right leg at 2/3 point – 3' long.  
Span 15 Unit 4: Left leg at 10% point – 3' long.  
Span 11 Unit 8: Left leg at 45% point – 2' long.  
Span 12 Unit 1: Right leg at 75% point – 2' long.  
Span 12 Unit 2: Right leg at 75% point – 2' long.  
Span 12 Unit 5: Left leg at 1/3 point – 4' long.  
Span 12 Unit 5: Left leg at 2/3 point – 3' long.

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

Span 13 Unit 1: Right leg at 55% point – 2' long.  
Span 13 Unit 2: Left leg at  $\frac{1}{4}$  -  $\frac{2}{3}$  point – 10' long.  
Span 13 Unit 2: Right leg at 20 – 50% point – 5' long.  
Span 13 Unit 3: Left leg at 50% point – 5' long.  
Span 13 Unit 3: Right leg at 5% -  $\frac{1}{3}$  point – 6' long.  
Span 13 Unit 4: Left leg at  $\frac{2}{3}$  point – 5' long.  
Span 13 Unit 4: Right leg at  $\frac{1}{4}$  -  $\frac{3}{4}$  point – 12' long.  
Span 13 Unit 5: Left leg at 45% point – 2' long.  
Span 13 Unit 6: Left leg at  $\frac{2}{3}$  point – 3' long.  
Span 13 Unit 6: Right leg at 45% point – 5' long.  
Span 13 Unit 6: Right leg at 90% point – 2' long.  
Span 13 Unit 7: Left leg at 5% point – 2' long.  
Span 13 Unit 7: Left leg at  $\frac{1}{3}$  point – 2' long.  
Span 14 Unit 2: Right leg at  $\frac{1}{3}$  point – 4' long.  
Span 14 Unit 2: Right leg at  $\frac{2}{3}$  point – 2' long.  
Span 14 Unit 4: Left leg at 10% point – 1' long.  
Span 14 Unit 4: Left leg at  $\frac{2}{3}$  point – 3' long.  
Span 14 Unit 4: Right leg  $\frac{1}{4}$  point – 2' long.  
Span 14 Unit 7: Right leg at  $\frac{2}{3}$  point – 3' long.  
Span 15 Unit 4: Left leg at 10% point – 3' long.  
Span 15 Unit 4: Left leg at 50% point – 2' long.  
Span 15 Unit 4: Right leg at  $\frac{2}{3}$  point – 2' long.  
Span 15 Unit 7: Left leg at  $\frac{2}{3}$  point – 4' long.  
Span 15 Unit 7: Right leg at  $\frac{2}{3}$  point – 8' long.  
Span 15 Unit 8: Left leg at  $\frac{1}{3}$  – 95% point – 14' long.  
Span 16 Unit 3: Right leg at  $\frac{2}{3}$  point – 3' long.  
Span 16 Unit 5: Right leg at  $\frac{1}{4}$  point – 5' long.  
Span 16 Unit 6: Right leg at from 5% -  $\frac{1}{3}$  point – 5' long.  
Span 16 Unit 7: Right leg (entire leg) – 19' long.  
Span 16 Unit 8: Left leg at 90% point – 1' long.  
Span 17 Unit 2: Left leg 50% point – 2' long.  
Span 17 Unit 3: Right leg at 50% – 2' long.  
Span 17 Unit 4: Left leg at 45% point – 2' long.  
Span 17 Unit 4: Right leg at 50% point – 2' long.  
Span 17 Unit 7: Left leg at 5% point – 1' long.  
Span 17 Unit 7: Right leg  $\frac{3}{4}$  point – 2' long.  
Span 17 Unit 8: Left leg at 5% - midspan point – 10' long.  
Span 18 Unit 1: Right leg at from  $\frac{1}{3}$  –  $\frac{2}{3}$  – 4' long.  
Span 18 Unit 3: Left leg at 40% point – 1' long.  
Span 18 Unit 4: Left leg at 40% point – 3' long.  
Span 18 Unit 5: Right leg at 0% -  $\frac{1}{3}$  point – 6' long.  
Span 18 Unit 7: Right leg 15% point – 1' long.  
Span 19 Unit 3: Left leg at 5% point – 2' long.  
Span 19 Unit 3: Right leg at 5 – 50% point – 8' long.

NOTE: State forces have cleaned, patched, and grouted over the cracks, delaminations, and spalls at many locations - however, reinforcing steel is still corroding underneath and grout is cracking as the corrosion expand

### Work Description:

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### Date Repairs Completed:

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

### Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Span 12 Unit 5 right (delamination)

Stage: Monitor



PHOTO 3 Description Span 16 Unit 7 right (delamination)

Stage: Monitor



PHOTO 2 Description Span 3 Unit 5 right (delamination )



Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 6/17/2014 12:00:00 AM

Priority: C - Important

Work Code: N/A

#### Deficiency Description:

Asphalt wearing surface – various locations: Large-size cracking in wearing surface – transversely at several bents and longitudinally at joints between units at a couple locations. Cracks are allowing stormwater to leak down through joints and onto caps or legs of units.

Minor- to moderate-sized transverse cracks at remaining joints at bents.

#### Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Wearing surface - Bent 16 (transverse crack)

Stage: Monitor



PHOTO 2 Description Wearing surface - Span 8 right (longitudinal cracking)

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 6/17/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Cap - Bent 6: Some minor cracking, delaminations, and spalls - with some rebar exposed - on ahead face, especially under Units 3-6

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      Cap - Bent 6 ahead @ centerline (rebar exposed)

Inspector:

Structure Number: 03537

Inspection Date:

Facility Carried: SH 46-02 LM 8.19

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 6/17/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Cap - Bent 14 right: End of cap has contaminated concrete with heavy spalling on top corner of cap 2-3" deep (outside deck unit).

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      Cap - Bent 14 right (spalling)