

Bridge Inspection Report

01159

**SH 367/Jackson Co.
over
GRIZZLE ROAD ZONE E**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 01159

Inspection Date:

Facility Carried: SH 367/Jackson Co.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/26/2016
(8) STRUCTURE NUMBER	01159	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 067	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	GRIZZLE ROAD ZONE E	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367/Jackson Co.		
(9) LOCATION	.90 MI N OF JCT SH 18		
(11) MILEPOINT 12.690	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.64848	(17) LONGITUDE -91.25438		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 5 - Prestressed concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 05 - Box Beam or Girders - Multiple		(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 1 - Concrete			
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam			
(45) NUMBER OF SPANS IN MAIN 1	(46) NUMBER OF APPROACH 4		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1934	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	4
(42) TYPE OF SERVICE ON 1 UNDER 4		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 02		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 5200	(19) BYPASS DETOUR LENGTH 5	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	35.1
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 65	(49) STRUCTURE LENGTH (ft.) 241	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	4
(52) DECK WIDTH, OUT-TO-OUT (ft.) 31		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 37.1		(72) APPROACH ROADWAY ALIGNMENT	7
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 49	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 45.6		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) R 22.64		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) R 9.5		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 23.0		SUFFICIENCY RATING	0 STATUS 75.3
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 9697	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	N
		(111) PIER OR ABUTMENT PROTECTION	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	SH 367 (Old US 67)
(3) COUNTY CODE	067	(8) STRUCTURE NUMBER	01159
(4) PLACE CODE	00000	(9) LOCATION	.90 MI N OF JCT SH 18
(5) INV. ROUTE (ON/UNDER)	2 5 1 157 0	(11) MILEPOINT	0.270 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	GRIZZLE ROAD ZONE E	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35. (17) LONGITUDE -91.25333333333333
			64833333333333

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 5 - Prestressed concrete *
B) TYPE OF DESIGN/CONSTR: 05 - Box Beam or Girders - Multiple

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	24	(30) YEAR OF AVERAGE DAILY TRAFFIC	1991
(27) YEAR BUILT	1934	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	35		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	23.7	(48) LENGTH OF MAXIMUM SPAN	65	(49) STRUCTURE LENGTH	241
(47) TOTAL HORIZONTAL CLEARANCE	25.7				

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	0

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Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
15 - Prestressed Concrete Top Flange	1- Ben.	2015	sq. ft.	1971	44	0	0
1090 - Exposed Rebar		8		0	8	0	0
1110 - Cracking (PSC)		36		0	36	0	0
510 - Wearing Surfaces		1820	sq. ft.	1580	140	100	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		40		0	0	40	0
3220 - Crack (Wearing Surface)		200		0	140	60	0
16 - Reinforced Concrete Top Flange	1- Ben.	5479	sq. ft.	5026	423	30	0
510 - Wearing Surfaces		4949	sq. ft.	4864	70	15	0
104 - Prestressed Concrete Closed Web/Box Girder	1- Ben.	65	ft.	47	13	5	0
1080 - Delamination/Spall/Patched Area		4		0	3	1	0
1090 - Exposed Rebar		14		0	10	4	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	530	ft.	480	33	17	0
205 - Reinforced Concrete Column	1- Ben.	16	each	4	3	9	0
1090 - Exposed Rebar		6		0	1	5	0
1120 - Efflorescence/Rust Staining		2		0	2	0	0
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	95	7	0	0
1130 - Cracking (RC and Other)		7		0	7	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	174	ft.	126	13	35	0
1080 - Delamination/Spall/Patched Area		13		0	13	0	0
1090 - Exposed Rebar		21		0	0	21	0
1130 - Cracking (RC and Other)		8		0	0	8	0
301 - Pourable Joint Seal	1- Ben.	120	ft.	28	7	42	43
311 - Movable Bearing	1- Ben.	13	each	13	0	0	0
330 - Metal Bridge Railing	1- Ben.	482	ft.	482	0	0	0
515 - Steel Protective Coating		1446	sq. ft.	1446	0	0	0

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Bridge Inspection Report

Element Inspection

Main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
15 - Prestressed Concrete Top Flange	1- Ben.	2015	sq. ft.	1971	44	0	0
	See attached Form-III for detailed locations and descriptions of deficiencies. Cracks are in Curbs.						
1090 - Exposed Rebar		8			8		
1110 - Cracking (PSC)		36			36		
510 - Wearing Surfaces		1820	sq. ft.	1580	140	100	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		40				40	
3220 - Crack (Wearing Surface)		200			140	60	
104 - Prestressed Concrete Closed Web/Box Girder	1- Ben.	65	ft.	47	13	5	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		4			3	1	
1090 - Exposed Rebar		14			10	4	
205 - Reinforced Concrete Column	1- Ben.	6	each	3	3	0	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1090 - Exposed Rebar		1			1		
1120 - Efflorescence/Rust Staining		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	80	ft.	46	5	29	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		5			5		
1090 - Exposed Rebar		21				21	
1130 - Cracking (RC and Other)		8				8	
301 - Pourable Joint Seal	1- Ben.	64	ft.	0	7	28	29
	See attached Form-III for detailed locations and descriptions of deficiencies.						
2320 - Seal Adhesion		57				28	29
2360 - Adjacent Deck or Header		7			7		
311 - Movable Bearing	1- Ben.	1	each	1			
330 - Metal Bridge Railing	1- Ben.	130	ft.	130			
515 - Steel Protective Coating		390	sq. ft.	390			

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Element Inspection

Approach

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	5479	sq. ft.	5026	423	30	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		7				7	
1090 - Exposed Rebar		18			7	11	
1120 - Efflorescence/Rust Staining		264			256	8	
1130 - Cracking (RC and Other)		164			160	4	
510 - Wearing Surfaces		4949	sq. ft.	4864	70	15	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		25			10	15	
3220 - Crack (Wearing Surface)		60			60		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	530	ft.	480	33	17	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		2			2		
1090 - Exposed Rebar		20			8	12	
1120 - Efflorescence/Rust Staining		16			16		
1130 - Cracking (RC and Other)		12			7	5	
205 - Reinforced Concrete Column	1- Ben.	10	each	1	0	9	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1090 - Exposed Rebar		5				5	
1130 - Cracking (RC and Other)		4				4	
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	95	7	0	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1130 - Cracking (RC and Other)		7			7		
234 - Reinforced Concrete Pier Cap	1- Ben.	94	ft.	80	8	6	0
	See attached Form-III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		8			8		
1090 - Exposed Rebar		3				3	
1130 - Cracking (RC and Other)		3				3	
301 - Pourable Joint Seal	1- Ben.	56	ft.	28	0	14	14
2320 - Seal Adhesion		28				14	14
311 - Movable Bearing	1- Ben.	12	each	12			
330 - Metal Bridge Railing	1- Ben.	352	ft.	352			
515 - Steel Protective Coating		1056	sq. ft.	1056			

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Maintenance Needs

Date Reported: 05/26/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Spans 1 and 5

Vegetation & minor erosion to embankment under spans.

Work Description:

Date Repairs Completed: 06/27/2016

Maintenance Comments:

Cut vegetation

Stage: Assigned



PHOTO 1 Description Vegetation @ Span 1.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Deck at all spans

Potholes in asphalt wearing surface in main lanes and at all joints

Work Description:

Potholes filled with premix

Date Repairs Completed: 06/28/2016

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Pothole in deck in Left lane over Bent 1.

Stage: Assigned



PHOTO 2 Description Spalls in asphalt @ joint @ end of Span 2.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Curbs

Spalls with rebar exposed to curbs at Span 3.

Left curb at Span 2 is out of alignment 1.5"

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to Right curb @ Span 3.

Stage: Assigned



PHOTO 2 Description Left curb at Span 2 is out of alignment 1.5"

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Bent 2
Joint material has failed.
Heavy debris on cap.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Debris on top of Cap @ Bent 2.

Stage: Assigned



PHOTO 2 Description Joint seal over Bent 2.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/26/2016

Priority: C - Important

Work Code: N/A

Deficiency Description:

Girder 1 @ beginning of Span 2.

Girder 2 at end of Span 2.

Girder 1 at beginning of Span 5.

Girder 2 at beginning of Span 5

Spalls with corroded rebar exposed to end of girders.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to Girder 1
@ beginning of Span 2.

Stage: Assigned



PHOTO 2 Description Spalls with rebar exposed to Girder 2
@ beginning of Span 5.

Inspector:

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Maintenance Needs

Date Reported: 05/26/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Spans 1 - 5

Cracks, delaminated areas, and spalls with rebar exposed to girders.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned

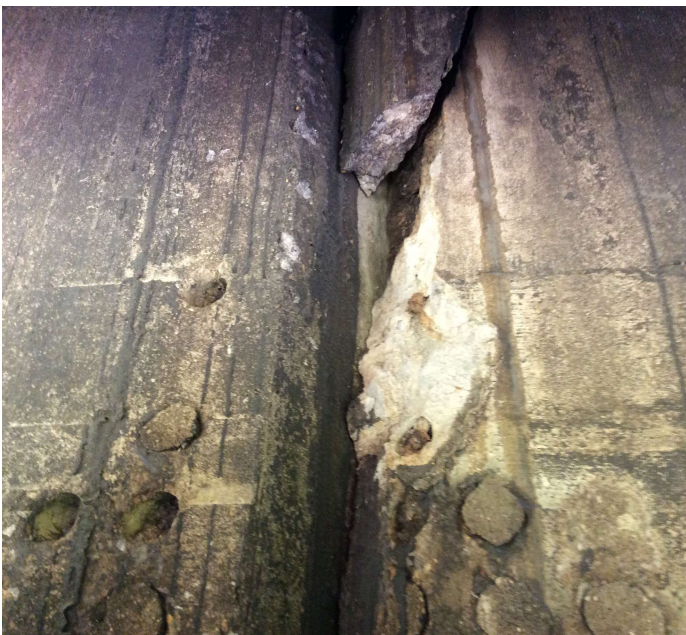


PHOTO 1 Description Deep spall to end of Unit 6 @ Bent 3.

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Maintenance Needs

Date Reported: 05/26/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

All bents

Spalls with rebar exposed to columns and caps

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to Cap @ Bent 3.

Stage: Assigned



PHOTO 2 Description Spalls with rebar exposed to Column 3 @ Bent 4A.

Inspector:

Inspection Date:

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Facility Carried: SH 367/Jackson Co.

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Maintenance Needs

Stage: Assigned



PHOTO 3 Description Spalls with rebar exposed to Column 1
@ Bent 1.