

# Bridge Inspection Report

**03592**  
**SH 4-17 LM 6.41**  
**over**  
**Canal No. 43**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 03592

Inspection Date:

Facility Carried: SH 4-17 LM 6.41

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/07/2017
(8) STRUCTURE NUMBER	03592	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 4 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 041	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Canal No. 43	C. OTHER SPECIAL	Y 24 02/07/2017
(7) FACILITY CARRIED	SH 4-17 LM 6.41		
(9) LOCATION	6.41 Mi E US 65-McGehee		
(11) MILEPOINT 6.410	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.60580	(17) LONGITUDE -91.27854		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 5	(46) NUMBER OF APPROACH 0		
(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 1963	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	41
(29) AVERAGE DAILY TRAFFIC 1400	(19) BYPASS DETOUR LENGTH 15	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2016		(66) INVENTORY RATING	25
(109) AVERAGE DAILY TRUCK TRAFFIC 9		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 28	(49) STRUCTURE LENGTH (ft.) 140	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1 RIGHT 1		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.6	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	34.1	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(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.)	25.9	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	0 STATUS 67.9
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	07
(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 1700	(115) YEAR OF FUTURE ADT 2036	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(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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## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>38 - Reinforced Concrete Slab</b>	1- Ben.	4004	sq. ft.	3960	40	4	0
	Deck: 28.6' wide x 140' long. Asphalt wearing surface has been milled off deck surface, spalls and delaminations have been patched, and a polymer overlay placed on deck.  Soffit: Some patches at drain holes and a couple spalls with exposed rebar on bottom side of deck at outside corners at Bent 2.						
1080 - Delamination/Spall/Patched Area		40			40		
1090 - Exposed Rebar		4				4	
510 - Wearing Surfaces		3360	sq. ft.	3360			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	68	ft.	68			
	Abutments: 34' each / Bents 1 & 6.						
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	16	each	15	1	0	0
	Piling: 4 per bent \ Bents 2-5. Bent # 4 pile # 4 has small vertical crack from cap down 1 foot.						
1130 - Cracking (RC and Other)		1			1		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	96	ft.	95	1		
	Caps: 24' each \ Bents 2-5. Most spalls have been repaired by State Forces.						
<b>330 - Metal Bridge Railing</b>	1- Ben.	270	ft.	0	270		
	Railing: 135' each side. Coating: 2.5 square feet per linear feet of railing. Metal railing on concrete posts.  Paint on railing has worn away and primer is showing through in most places. Broken/cracked concrete bridge post have been repaired by state forces.						
515 - Steel Protective Coating		675	sq. ft.	0	0	675	0
3410 - Chalking (Steel Protective Coatings)		675				675	



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### Pictures



1/2 inch asphalt  
overlay





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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/07/2017

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Channel - Bents 3-4 left : Minor build-up of small logs, limbs, and other debris against piling.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

Desha: remove debris

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#### Stage: Open



PHOTO 1      Description      Channel - Bents 3-4 left (debris build-up)

#### Stage: Open



PHOTO 2      Description      Channel - Bents 3-4 left (debris build-up)

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 3/6/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Endslope - Span 5: Some minor erosion under bridge just ahead of Bent 5.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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#### Stage: Monitor



PHOTO 1    Description    Endslope - Span 5 (erosion)

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/02/2016

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Endslope - Span 1: Some small trees, bushes, and vines growing up right beside bridge.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

Desha: Remove and advise when complete

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#### Stage: Open



PHOTO 1      Description      Span 1 small trees and vines along side of bridge.

#### Stage: Assigned



PHOTO 2      Description      Endslope - Span 1 left (vegetation)

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### Maintenance Needs

Date Reported: 02/02/2016

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

CORRECTED - Beginning of bridge small pothole in approach roadway.

#### Work Description:

GGL-KLR: Location currently under contract for repairs.

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Date Repairs Completed: 02/07/2017

#### Maintenance Comments:

"Desha: repair and advise when complete"

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Stage: Open



PHOTO 1      Description      Beginning of bridge small pothole in roadway approach near center line.