

# Bridge Inspection Report

**07031**  
**SH 1-01 LM 3.99**  
**over**  
**Canal # 19**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

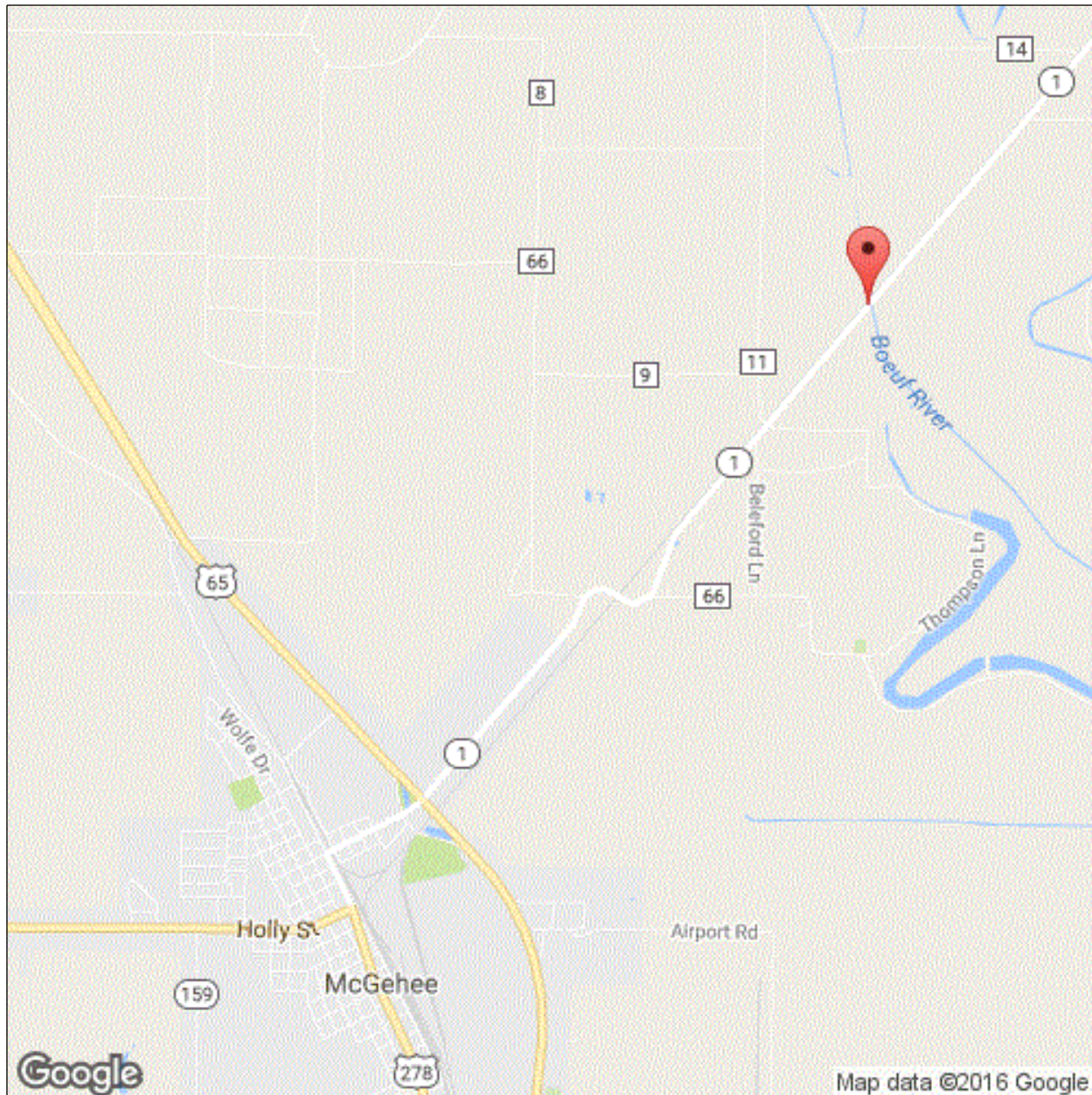
Structure Number: 07031

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## Bridge Inspection Report

### Location Map



Latitude: 33.6697547291622

Longitude: -91.35608009656266

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**Bridge Inspection Report**

**Executive Summary**

Beginning of structure toward US 65, McGehee, West End.

Bridge 0000000000007031 entered 7/10/2007 13:37:00 by userid rlw.

Replaces old structure # 03045 under job #020044.

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/09/2019
(8) STRUCTURE NUMBER	07031	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 1 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 # 19	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 1-01 LM 3.99		
(9) LOCATION	4.0 Mi E US 65-McGehee		
(11) MILEPOINT 3.990	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.6697547291622	(17) LONGITUDE -91.35608009656266		
(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: 4 - Steel continuous		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
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 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2007	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC 2400	(19) BYPASS DETOUR LENGTH 25	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(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.) 62	(49) STRUCTURE LENGTH (ft.) 252	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 41.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 47		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 35	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 43.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	95.5
		STATUS	0
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 2539	(115) YEAR OF FUTURE ADT 2028	(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	4
		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

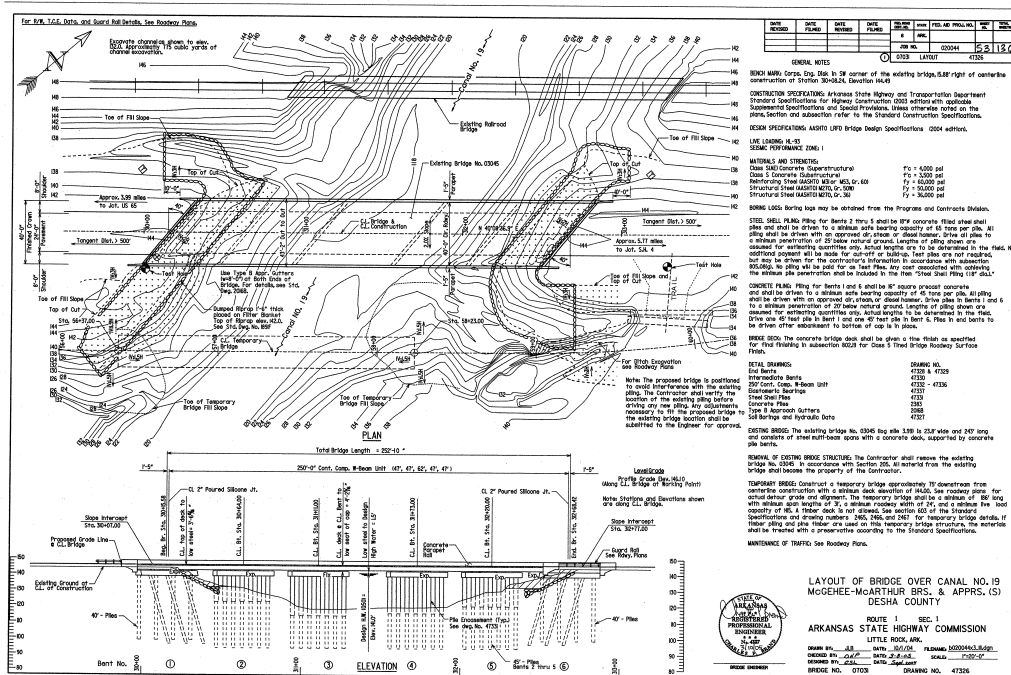
	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	11844	sq. ft.	9328	0	2516	0
Deck: 252.00 long x 47.00 wide =11844 Spans 3 & 4: A couple large-sized patches (approximately 500 sqft) - longitudinal cracks are beginning to show in patched areas. All spans: Several minor- to moderate-sized longitudinal cracks - full length of bridge. Some cracks have been sealed in the past, but seal has worn away or cracks have extended beyond seal (8 cracks x 252' each).							
1080 - Delamination/Spall/Patched Area		500		0	0	500	0
1130 - Cracking (RC and Other)		2016		0	0	2016	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1250	ft.	1250	0	0	0
5 each at 250'. Coating: W30x116 - 7.44 square feet per linear feet of girder. All girders are light brown. Outer girders are oxidizing.							
515 - Steel Protective Coating		9300	sq. ft.	9100	200	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		200		0	200	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	120	ft.	105	15	0	0
60' each at Bents 1 & 6. Bents 1 & 6 backwalls: Several longitudinal cracks across top surface.							
1120 - Efflorescence/Rust Staining		5		0	5	0	0
1130 - Cracking (RC and Other)		10		0	10	0	0
<b>225 - Steel Pile</b>	1- Ben.	28	each	28	0	0	0
Pile 7 each at bents 2-5. Bent 3 & 4 corrugated encasement has some rust to lower 10 feet.							
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	188	ft.	188	0	0	0
47' each at Bents 2-5.							
<b>301 - Pourable Joint Seal</b>	1- Ben.	120	ft.	112	0	0	8
Joints : 60" each (skewed) / Bents 1 & 6. Bent 1: A couple scattered locations of loss of adhesion (8").							
2320 - Seal Adhesion		8		0	0	0	8
<b>310 - Elastomeric Bearing</b>	1- Ben.	30	each	30	0	0	0
5 each at Bents 1-6. Bent 6: Anchor nuts missing off various bearings - 5 total.							
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	516	ft.	516	0	0	0
258' each side.							

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# Bridge Inspection Report

## Pictures



### Description

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**Bridge Inspection Report**

**Pictures**

PHOTO 3

Description



**Inspector:**

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**Bridge Inspection Report**

**Sketches**

Inspector:

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 1/14/2015 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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### Deficiency Description:

Deck - all spans: Several minor- to moderate-sized longitudinal cracks - full length of bridge. Some cracks have been sealed in the past, but seal has worn away or cracks have extended beyond seal.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 3      Description

Stage: Monitor



PHOTO 4      Description

Stage: Monitor



PHOTO 5      Description



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 01/31/2017

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

Bearings - Bent 6: Anchor nuts missing off various bearings - 5 total.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Bent 6 Bearing 5 right (nut missing)

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### Bridge Inspection Report

## Maintenance Needs

**Date Reported:** 1/14/2015 12:00:00 AM

**Priority:** D - Routine

**Work Code:** N/A

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### Deficiency Description:

CORRECTED - Span 4 at bent 4 debris has built up around pile causing bank erosion.

Photo attached.

### Work Description:

GGL-KLR: No debris removal required this inspection.

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**Date Repairs Completed:** 01/31/2017

### Maintenance Comments:

Repaired.

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### Stage: Monitor



PHOTO 1      Description      Bent 4 Piles 1-4 (no debris build-up)