

# Bridge Inspection Report

07316  
SH 51  
over  
OUACHITA RIVER



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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**Inspector:**

**Inspection Date:**

**Structure Number:** 07316

**Facility Carried:** SH 51

**Bridge Inspection Report**

**Location Map**

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**Executive Summary**

05/16/2018 JPR -- This structure is logged from Northwest to Southeast.

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National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	05/01/2018		
(8) STRUCTURE NUMBER	07316			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	3	1 51 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE		
(2) HIGHWAY AGENCY	07	(3) COUNTY CODE	019	A. FRACTURE CRITICAL DETAIL	N		
(4) PLACE CODE	00000			B. UNDERWATER INSPECTION	N		
(6) FEATURES INTERSECTED	OUACHITA RIVER			C. OTHER SPECIAL	N		
(7) FACILITY CARRIED	SH 51			CONDITION			
(9) LOCATION	0.36 MI E JCT US 67			(58) DECK	8		
(11) MILEPOINT 0.36	(12) BASE HIGHWAY NETWORK 1			(59) SUPERSTRUCTURE 9	(60) SUBSTRUCTURE 8		
(13A) LRS INVENTORY ROUTE	0000051020	(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION 9	(62) CULVERT N		
(16) LATITUDE 34.12078	(17) LONGITUDE -93.04697			LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	A		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	3		
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	60		
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	3		
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			(66) INVENTORY RATING	36		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(70) BRIDGE POSTING	5		
(44) STRUCTURE TYPE, APPROACH SPANS				(41) STRUCTURE OPEN/POSTED/CLOSED	A		
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			APPRAISAL			
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(67) STRUCTURAL EVALUATION	8		
(45) NUMBER OF SPANS IN MAIN 4	(46) NUMBER OF APPROACH 6			(68) DECK GEOMETRY	6		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 0			(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0			(71) WATERWAY ADEQUACY	9		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	8		
(27) YEAR BUILT 2018	(106) YEAR RECONSTRUCTED 0000			(36) TRAFFIC SAFETY FEATURE			
(42) TYPE OF SERVICE ON 1	UNDER 7			36A) BRIDGE RAILINGS:	1		
(28) LANES ON 02	UNDER 00			36B) TRANSITIONS:	1		
(29) AVERAGE DAILY TRAFFIC 3100	(19) BYPASS DETOUR LENGTH 29			36C) APPROACH GUARDRAIL:	1		
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014				36D) APPROACH GUARDRAIL ENDS:	1		
(109) AVERAGE DAILY TRUCK TRAFFIC 10				(113) SCOUR CRITICAL BRIDGES	5		
GEOMETRIC DATA				SUFFICIENCY RATING	93.1	STATUS 0	
(48) LENGTH OF MAX SPAN (ft.) 240	(49) STRUCTURE LENGTH (ft.) 1629.4			CLASSIFICATION			
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 00	RIGHT 00			(112) NBIS BRIDGE LENGTH	Y		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02		
(32) APPROACH ROADWAY WIDTH (ft.)	40.0			(100) STRAHNET HIGHWAY DESIGNATION	0		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 35			(101) PARALLEL STRUCTURE DESIGNATION	N		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99			(102) DIRECTION OF TRAFFIC	2		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0			(103) TEMP STRUCTURE			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0		
(54) VERTICAL UNDER CLEARANCE (ft.)	R	24.92		(110) DESIGNATED NATIONAL NETWORK	0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R	59.5		(20) TOLL	3		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	59.8			(21) MAINTENANCE RESPONSIBILITY	01		
PROPOSED IMPROVEMENTS				(22) OWNER	01		
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(37) HISTORICAL	5		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0000			NAVIGATION DATA			
(94) BRIDGE IMPROVEMENT COST (\$)	0000			(38) NAVIGATION CONTROL	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0000			(111) PIER OR ABUTMENT PROTECTION	1		
(96) TOTAL PROJECT COST	0000			(39) NAV VERT CLEARANCE (ft.)	000		
(97) YEAR OF IMPROVEMENT COST ESTIMATE				(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)			
(114) FUTURE ADT 6000	(115) YEAR OF FUTURE ADT 2034			(40) NAV HORIZONTAL CLEARANCE (ft.)	0000		

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Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	70023	sq. ft.	70023	0	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	8135	ft.	8135	0	0	0
515 - Steel Protective Coating		21429	sq. ft.	21429	0	0	0
<b>205 - Reinforced Concrete Column</b>	1- Ben.	10	each	10	0	0	0
<b>210 - Reinforced Concrete Pier Wall</b>	1- Ben.	78	ft.	78	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	94	ft.	94	0	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	430	ft.	430	0	0	0
<b>300 - Strip Seal Expansion Joint</b>	1- Ben.	93	ft.	93	0	0	0
<b>305 - Assembly Joint without Seal</b>	1- Ben.	86	ft.	86	0	0	0
<b>310 - Elastomeric Bearing</b>	1- Ben.	60	each	60	0	0	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	3260	ft.	3260	0	0	0

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Element Inspection

Main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	29845	sq. ft.	29845			
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3450	ft.	3450			
515 - Steel Protective Coating		7398	sq. ft.	7398			
<b>205 - Reinforced Concrete Column</b>	1- Ben.	10	each	10			
<b>210 - Reinforced Concrete Pier Wall</b>	1- Ben.	13	ft.	13			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	51	ft.	51			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	187	ft.	187			
<b>300 - Strip Seal Expansion Joint</b>	1- Ben.	51	ft.	51			
<b>310 - Elastomeric Bearing</b>	1- Ben.	25	each	25			
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1382	ft.	1382			

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Element Inspection

Approach

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	40178	sq. ft.	40178			
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	4685	ft.	4685			
515 - Steel Protective Coating		14031	sq. ft.	14031			
<b>210 - Reinforced Concrete Pier Wall</b>	1- Ben.	65	ft.	65			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	43	ft.	43			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	243	ft.	243			
<b>300 - Strip Seal Expansion Joint</b>	1- Ben.	42	ft.	42			
<b>305 - Assembly Joint without Seal</b>	1- Ben.	86	ft.	86			
<b>310 - Elastomeric Bearing</b>	1- Ben.	35	each	35			
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1878	ft.	1878			

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**Pictures**

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**Sketches**

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**Maintenance Needs**

Affected Area : Create Report Section.

Form Id : 117

Section Name : Notes Output

Section Type : Designer

Detailed Message : An error has occurred during report processing.

--->

icrosoft.ReportingServices.ReportProcessing.ProcessingAbortedException:

An error has occurred during report processing. --->

icrosoft.ReportingServices.ReportProcessing.ReportProcessingException:

Cannot create a connection to data source 'SSRSDataSource'. --->

icrosoft.ReportingServices.DataExtensions.ReportServerDataProvider.RSDPException:

You have specified integrated security or credentials in the connection string for the data source, but the data source is configured to use a different credential type. To use the values in the connection string, you must configure the unattended report processing account for the report server.

Affected Area : Create Report Section.

Form Id : 126

Section Name : Load Posting

Section Type : Designer

Detailed Message : An error has occurred during report processing.

--->

icrosoft.ReportingServices.ReportProcessing.ProcessingAbortedException:

An error has occurred during report processing. --->

icrosoft.ReportingServices.ReportProcessing.ReportProcessingException:

Cannot create a connection to data source 'SSRSDataSource'. --->

portingServices.DataExtensions.ReportServerDataProvider.RSDPException:

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