

# 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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## Bridge Inspection Report

## 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		
(9) LOCATION	0.36 MI E JCT US 67		
(11) MILEPOINT 0.36	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000051020 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.12078 (17) LONGITUDE -93.04697		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(59) SUPERSTRUCTURE	9 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(61) CHANNEL & CHANNEL PROTECTION	9 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder		
(45) NUMBER OF SPANS IN MAIN	4 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	2018 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	A
(42) TYPE OF SERVICE	ON 1 UNDER 7	(63) METHOD USED TO DETERMINE OPERATING RATING	3
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	60
(29) AVERAGE DAILY TRAFFIC	3100 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	3
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36
(109) AVERAGE DAILY TRUCK TRAFFIC	10	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	240 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 00 RIGHT 00	(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	R 24.92	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 59.5	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	59.8	SUFFICIENCY RATING	93.1 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.)	0000	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0000	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	0000	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0000	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	6000 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2034	(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	1
		(39) NAV VERT CLEARANCE (ft.)	000
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	
		(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'. --->

icrosoft.ReportingServices.DataExtensions.ReportServerDataProvider.RSDPException:

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