

# Bridge Inspection Report

**A1016**  
**SH 365-14 LM 0.25**  
**over**  
**Turkey Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

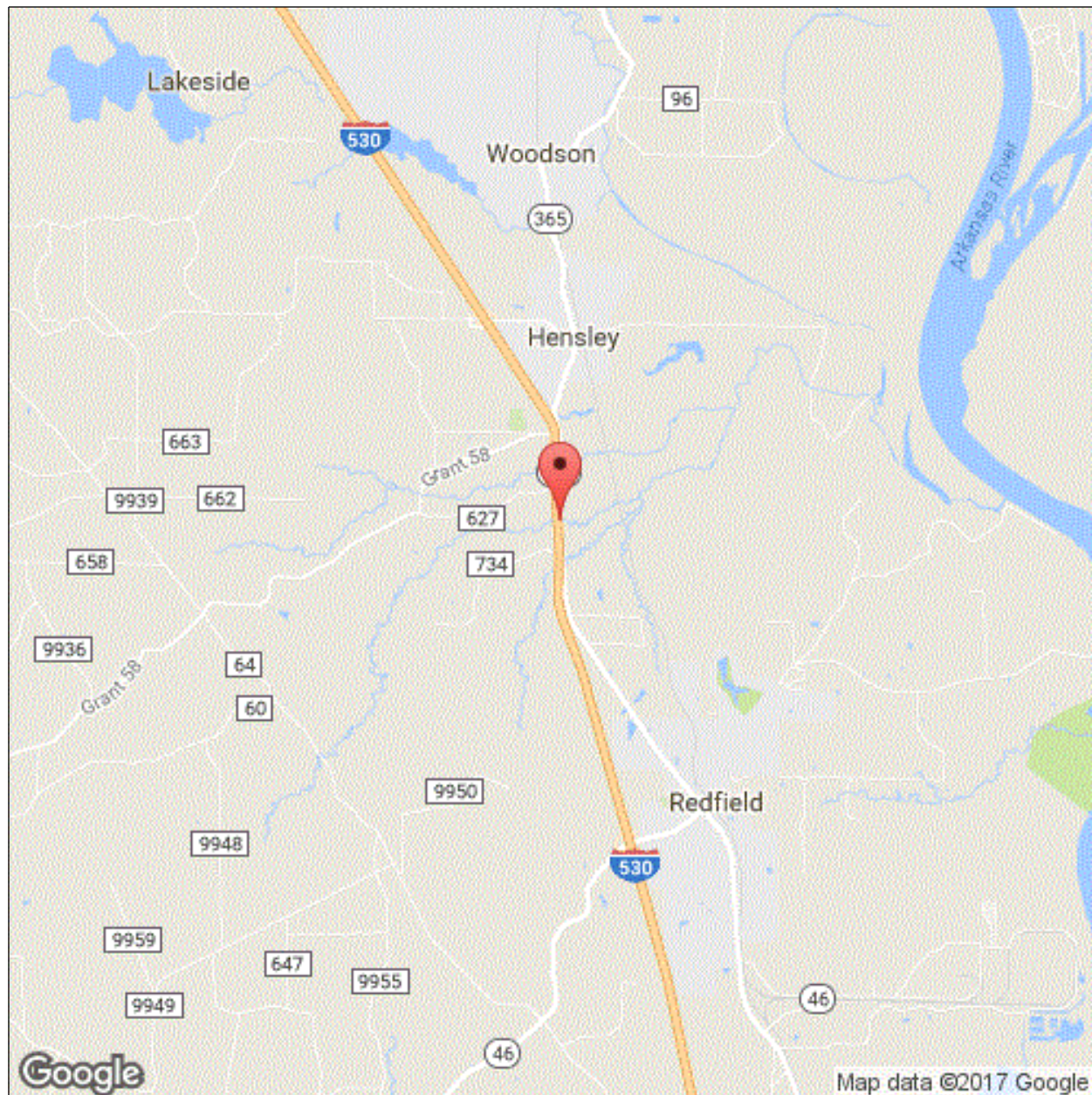
Structure Number: A1016

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## Bridge Inspection Report

### Location Map



Latitude: 34.48173

Longitude: -92.20779

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### Executive Summary

Bridge is logged from north to south.



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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/14/2017
(8) STRUCTURE NUMBER	A1016	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 365 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 069	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Turkey Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 365-14 LM 0.25		
(9) LOCATION	0.25 Mi S GrantCo-Hensley		
(11) MILEPOINT 0.250	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.48173	(17) LONGITUDE -92.20779		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	7 (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 2	(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 1929	(106) YEAR RECONSTRUCTED 1956	(31) DESIGN LOAD	4
(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	43.0
(29) AVERAGE DAILY TRAFFIC 580	(19) BYPASS DETOUR LENGTH 9	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	26.0
(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.) 30	(49) STRUCTURE LENGTH (ft.) 60	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 34		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 30.8		(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.) 27.9		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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 82.1
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 1039	(115) YEAR OF FUTURE ADT 2027	(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
16 - Reinforced Concrete Top Flange	1- Ben.	2040	sq. ft.	2010	30	0	0
	Deck: 34' wide x 60' long. NOTE: New asphalt wearing surface has been applied since 2012 inspection.  Soffit - Span 2: Outside Bays have diagonal cracking with efflorescence at Bent 3 (CS2 Cracking 10'). Span 2: Bays 2-4 have minor efflorescence with cracking (CS2 Cracking 20').						
1130 - Cracking (RC and Other)		30			30		
510 - Wearing Surfaces		1680	sq. ft.	1680			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	300	ft.	288	0	12	0
	Girders: 5 per span / 60' total span. Noticeable deterioration (cracking/delamination/spalling/rebar exposed) on girder seats of Bent 2 cap - most notable: Span 1 Girders 2 & 4 @ Bent 2: Spalling with some rebar exposed at girder seat on back side of Bent 2. Span 2 Girders 2 & 4 @ Bent 2: Significant cracking on sides of girder seat on ahead side of Bent 2. Span 2 Girder 3 @ Bent 2: Spalling with rebar exposed at girder seat on ahead side of Bent 2.						
1090 - Exposed Rebar		6				6	
1130 - Cracking (RC and Other)		6				6	
205 - Reinforced Concrete Column	1- Ben.	5	each	0	5	0	0
	Columns: 5 per bent / Bents 2. Some light abrasive wear around waterline.						
1190 - Abrasion/Wear (PSC/RC)		5			5		
215 - Reinforced Concrete Abutment	1- Ben.	100	ft.	34	66	0	0
	Abutments: 50' each / Bents 1 & 3.  Bent 1: Horizontal cracking runs full length at possible cold joint with efflorescence on diagonal cracks. Widespread minor cracking (CS2 50'). Bent 3: One vertical crack near the middle (CS2 1'). Widespread scattered minor cracks (CS2 15').						
1130 - Cracking (RC and Other)		66			66		
234 - Reinforced Concrete Pier Cap	1- Ben.	28	ft.	19	0	9	0
	Caps: 28' each / Bent 2. Bent 2: Spalling on both ends - large diameter but shallow. Bent 2 left: Exposed rebar on bottom of cap (3' CS3).						
1080 - Delamination/Spall/Patched Area		6				6	
1090 - Exposed Rebar		3				3	

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## Element Inspection

330 - Metal Bridge Railing	1- Ben.	120	ft.	40	80	0	0
	Railing: 60' each side. Coating: 3.16 square feet per linear feet of railing. Metal railing with concrete posts. Metal railing has uniform surface rust to back side.						
1000 - Corrosion		80			80		
515 - Steel Protective Coating		379	sq. ft.	126	0	253	0
3440 - Effectiveness (Steel Protective Coatings)		253				253	

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## Bridge Inspection Report

Pictures



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## Bridge Inspection Report

Sketches

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 1/3/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Span 1 Girders 2 & 4 @ Bent 2: Spalling with some rebar exposed at girder seat on back side of Bent 2.

Span 2 Girder 3 @ Bent 2: Spalling with rebar exposed at girder seat on ahead side of Bent 2.

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

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## Maintenance Needs

Date Reported: 1/3/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

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### Deficiency Description:

Span 2 Girders 2 & 4 @ Bent 2: Significant cracking on sides of girder seat on ahead side of Bent 2.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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