

# Bridge Inspection Report

**06433**  
**SH 28-Scott Co.**  
**over**  
**Line Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

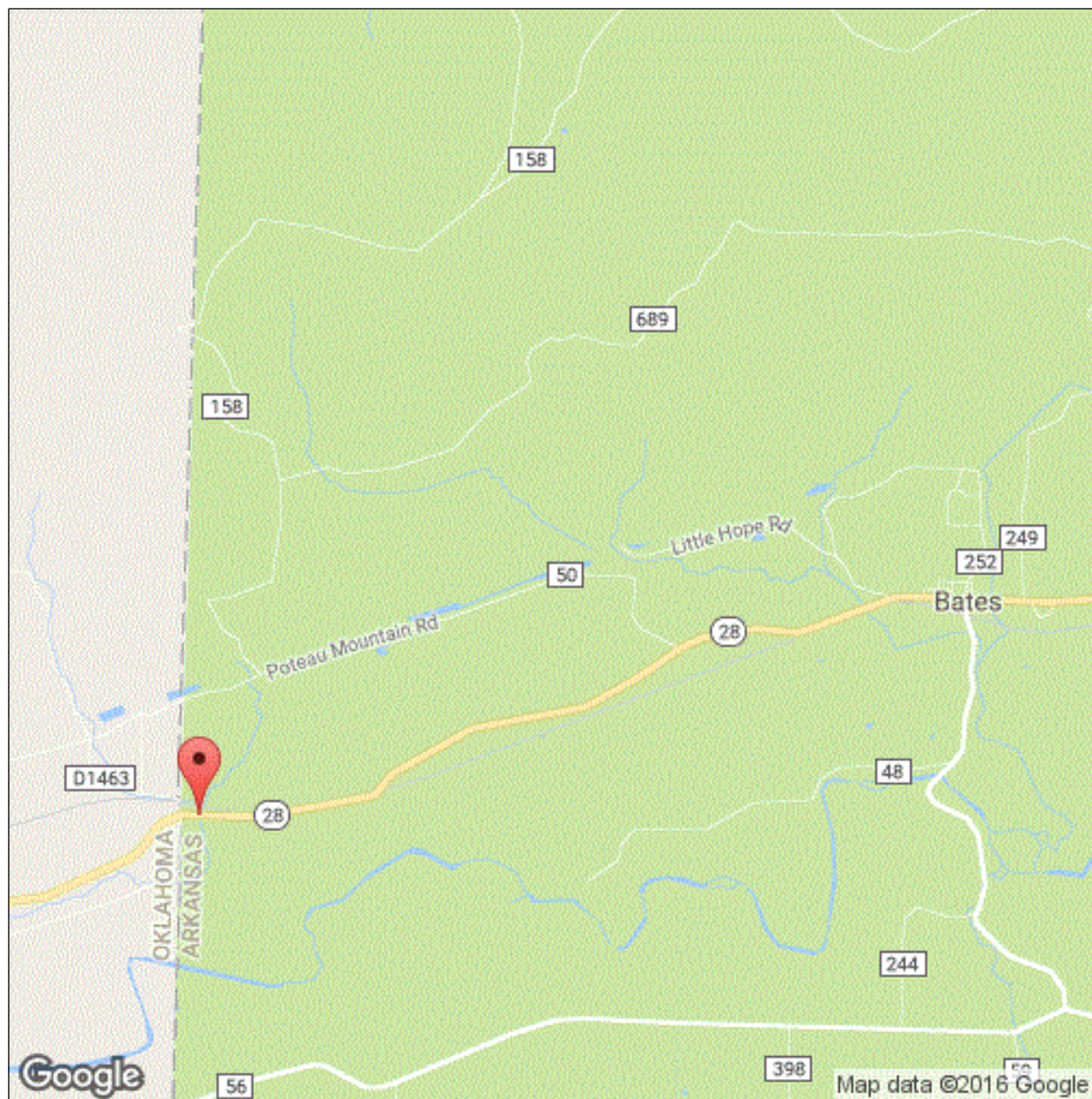
Structure Number: 06433

Inspection Date:

Facility Carried: SH 28-Scott Co.

## Bridge Inspection Report

### Location Map



Latitude: 34.89440

Longitude: -94.44745



Inspector:

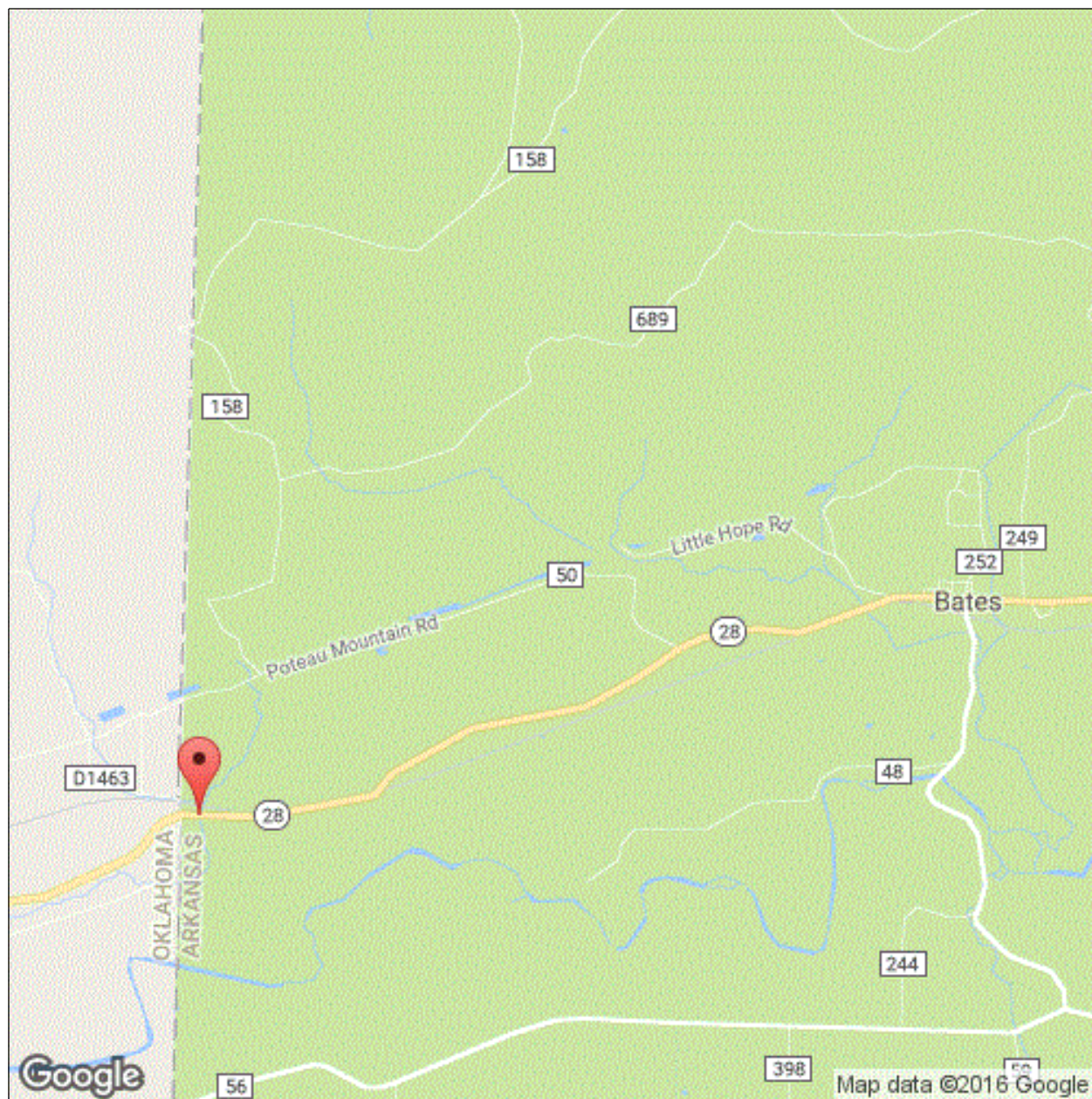
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## Bridge Inspection Report

### Location Map



Latitude: 34.89440

Longitude: -94.44745

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### Executive Summary

JPB & JCJ - Routine and Underwater Type II inspections conducted this date.

Underwater Type II inspection: Footings have cover with no apparent scour problems at this inspection.

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/16/2016
(8) STRUCTURE NUMBER	06433	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 28 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	04 (3) COUNTY CODE 127	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Line Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28-Scott Co.		
(9) LOCATION	0.09 Mi E OK LINE		
(11) MILEPOINT 0.090	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.89440	(17) LONGITUDE -94.44745		
(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	7
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(60) SUBSTRUCTURE	6
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(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		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1993 (106) YEAR RECONSTRUCTED	(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	60
(29) AVERAGE DAILY TRAFFIC	580 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36
(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.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	30.8	(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.)	30.5	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:	1
(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	89.6
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	683 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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.)	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
12 - Reinforced Concrete Deck	1- Ben.	3600	sq. ft.	3363	34	203	0
	-Diagonal cracks with light efflorescence visible from the undersurface of the deck at the corners of each span. -Pop outs visible from the driving surface of the deck due to shale inclusion in the concrete from the construction process. -The driving surface has a few random longitudinal cracks.						
1120 - Efflorescence/Rust Staining		34			34		
1130 - Cracking (RC and Other)		203				203	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	480	ft.	384	96	0	0
	-Vertical hairline flexure cracks at approximately 12" centers typical.						
1130 - Cracking (RC and Other)		96			96		
205 - Reinforced Concrete Column	1- Ben.	6	each	2	4	0	0
	-Light abrasion at the base of columns in the channel.						
1190 - Abrasion/Wear (PSC/RC)		4			4		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
	-No apparent noteworthy problems at this inspection.						
234 - Reinforced Concrete Pier Cap	1- Ben.	99	ft.	89	5	5	0
	-Spalling with exposed reinforcing steel on the under surface of the caps at Bents 2 & 4. -The Span 1 side of Bent 2 has a softball size shallow spall in the Lt end of cap. -There are two delaminated areas in the Rt end of Bent 4 cap. -The caps have minor staining from apparent water leakage through the deck joints.						
1080 - Delamination/Spall/Patched Area		8			5	3	
1090 - Exposed Rebar		2				2	
331 - Reinforced Concrete Bridge Railing	1- Ben.	240	ft.	240			
	-No apparent problems at this inspection.						

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## Bridge Inspection Report

Pictures



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## Bridge Inspection Report

Sketches

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 9/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Substructure.

Shallow spalling with exposed reinforcing steel on the undersurface of the caps at Bents # 2 & 4.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Spalling with exposed reinforcing steel on the under surface of the cap at Bents 2.

Stage: Assigned



PHOTO 2      Description      There are two delaminated areas in the Rt end of Bent 4 cap.

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 8/26/2014 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Abutments.

Minor asphalt settlement at the approaches.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Minor asphalt settlement at the approaches.

Stage: Assigned



PHOTO 2      Description      Minor asphalt settlement at the approaches.

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### Maintenance Needs

Date Reported: 8/26/2014 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Deck.

Sealable cracking on the driving surface of the deck.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Sealable cracking on the driving surface of the deck.



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### Maintenance Needs

Date Reported: 8/26/2014 12:00:00 AM

Priority: D - Routine

Work Code:

---

Deficiency Description:

Deck.

The deck joints seals are deteriorated and leak water.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      The deck joints seals are deteriorated and leak water.