

# Bridge Inspection Report

**06434**

**SH 28-Scott Co.**

**over**

**West Fork Shadley Cr.**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	6
ELEMENTS	7
PICTURES	8
SKETCHES	9

Inspector:

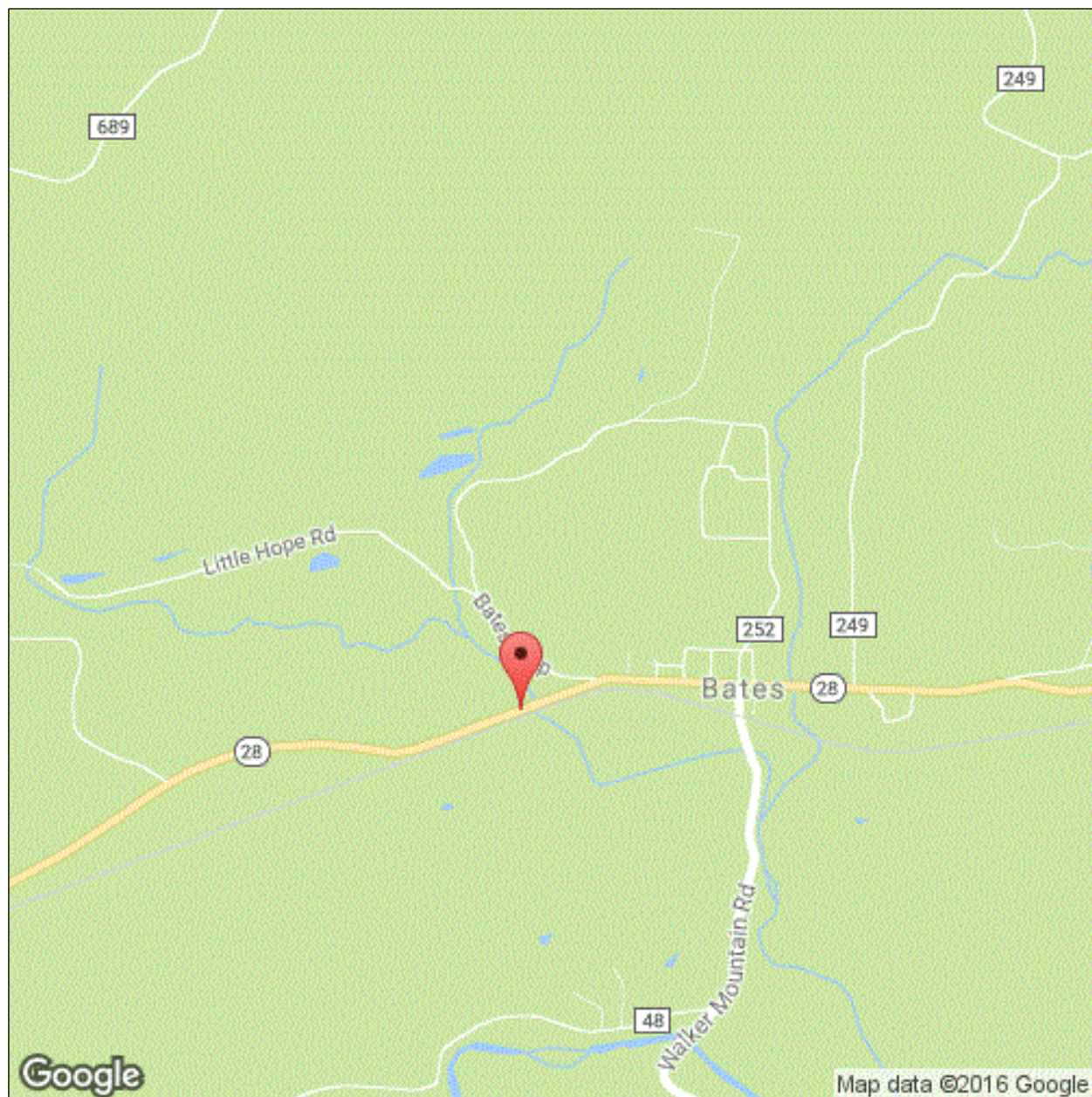
Structure Number: 06434

Inspection Date:

Facility Carried: SH 28-Scott Co.

## Bridge Inspection Report

### Location Map



Latitude: 34.90757

Longitude: -94.39535



Inspector:

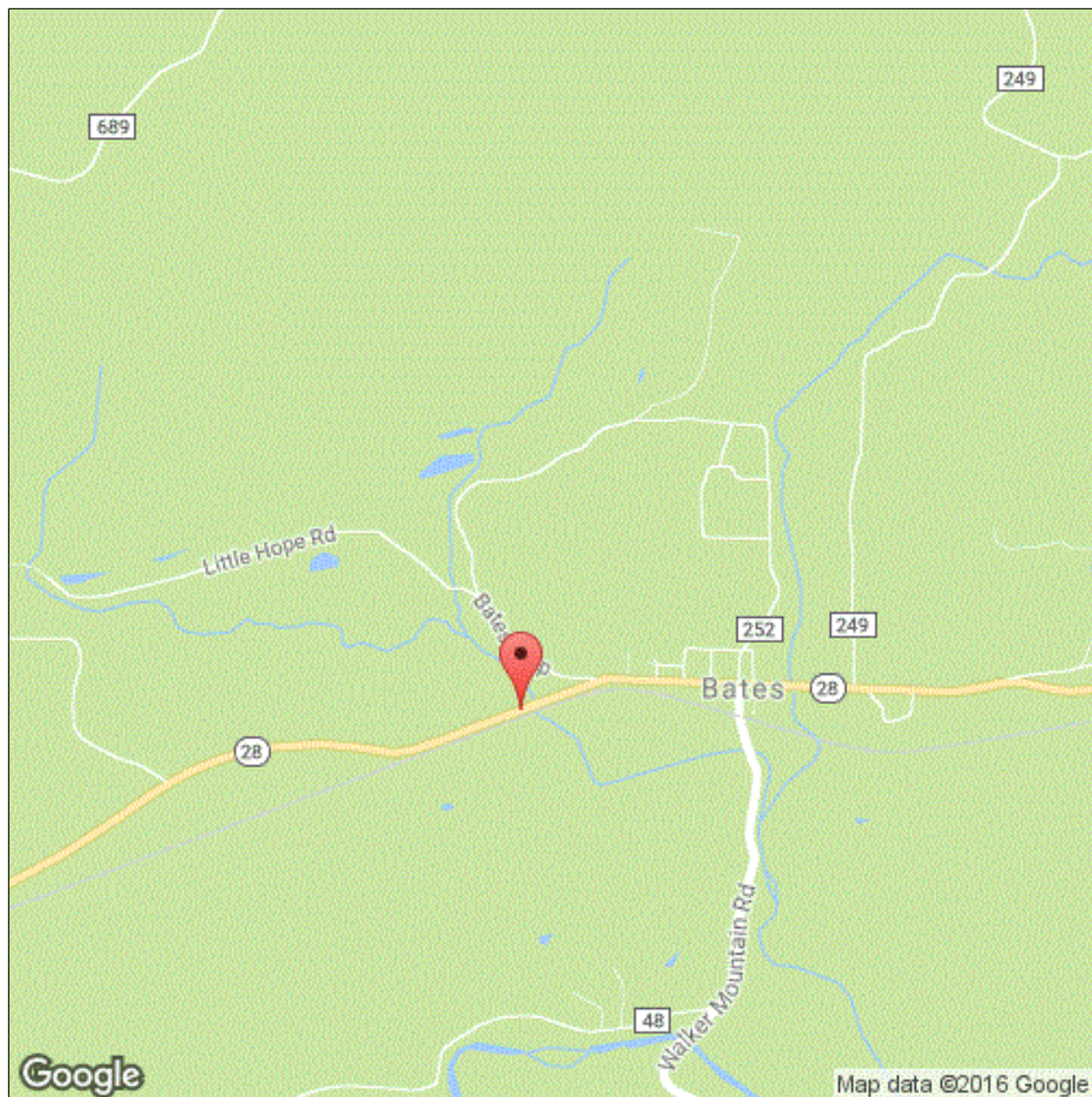
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## Bridge Inspection Report

### Location Map



Latitude: 34.90757

Longitude: -94.39535

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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	06434	(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	03680	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	West Fork Shadley Cr.	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28-Scott Co.		
(9) LOCATION	3.27 MI E OKLAHOMA LINE	CONDITION	
(11) MILEPOINT 3.269	(12) BASE HIGHWAY NETWORK 0	(58) DECK	7
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
(16) LATITUDE 34.90757	(17) LONGITUDE -94.39535	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	4
STRUCTURE TYPE AND MATERIAL		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(43) STRUCTURE TYPE, MAIN		(64) OPERATING RATING	60.0
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam	(66) INVENTORY RATING	36.0
(44) STRUCTURE TYPE, APPROACH SPANS		(70) BRIDGE POSTING	5
A) KIND OF MATERIAL/DESIGN:	0 - Other	(41) STRUCTURE OPEN/POSTED/CLOSED	A
B) TYPE OF DESIGN/CONSTR:	00 - Other	APPRAISAL	
(45) NUMBER OF SPANS IN MAIN	5 (46) NUMBER OF APPROACH	(67) STRUCTURAL EVALUATION	6
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(68) DECK GEOMETRY	6
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
AGE OF SERVICE		(71) WATERWAY ADEQUACY	8
(27) YEAR BUILT	1993 (106) YEAR RECONSTRUCTED	(72) APPROACH ROADWAY ALIGNMENT	8
(42) TYPE OF SERVICE	ON 1 UNDER 5	(36) TRAFFIC SAFETY FEATURE	
(28) LANES	ON 02 UNDER 00	36A) BRIDGE RAILINGS:	1
(29) AVERAGE DAILY TRAFFIC	580 (19) BYPASS DETOUR LENGTH	36B) TRANSITIONS:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36C) APPROACH GUARDRAIL:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	36D) APPROACH GUARDRAIL ENDS:	1
GEOMETRIC DATA		(113) SCOUR CRITICAL BRIDGES	5
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	SUFFICIENCY RATING	0 STATUS 89.6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(32) APPROACH ROADWAY WIDTH (ft.)	22.0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.5	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(110) DESIGNATED NATIONAL NETWORK	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(22) OWNER	01
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(37) HISTORICAL	5
(94) BRIDGE IMPROVEMENT COST (\$)	0	NAVIGATION DATA	
(95) ROADWAY IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(96) TOTAL PROJECT COST	0	(111) PIER OR ABUTMENT PROTECTION	1
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(39) NAV VERT CLEARANCE (ft.)	0
(114) FUTURE ADT	683 (115) YEAR OF FUTURE ADT	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
	2028	(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.	4500	sq. ft.	4329	31	140	0
	-Sealable cracks on the driving surface. Random short duration cracks on the driving surface of the deck. -Diagonal cracks with light efflorescence in the corners of the spans typical. -One softball size delaminated area is visible from the undersurface of the Lt overhang in Span 2 adjacent to Bent 2.						
1080 - Delamination/Spall/Patched Area							
1120 - Efflorescence/Rust Staining		31			31		
1130 - Cracking (RC and Other)		140				140	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	600	ft.	580	20	0	0
	-Vertical hairline flexure cracks at approximately 12" centers typical.						
1130 - Cracking (RC and Other)		20			20		
205 - Reinforced Concrete Column	1- Ben.	8	each	4	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 problems at this inspection.						
234 - Reinforced Concrete Pier Cap	1- Ben.	132	ft.	121	8	3	0
	-The Lt and Rt ends of Bents 2, 4 and 5 caps have delaminated areas and spalls with exposed reinforcing steel. -The Rt end of Bent 3 cap has a delaminated area in the end of the cap. No apparent section loss to the exposed reinforcing steel. -Small spalls with exposed reinforcing steel visible in the undersurface of the caps.						
1080 - Delamination/Spall/Patched Area		6			4	2	
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		4			4		
331 - Reinforced Concrete Bridge Railing	1- Ben.	300	ft.	300			
	-No apparent noteworthy 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.

The Left and Right ends of Bents # 2, 4, and 5 caps have delaminated areas and spalls with exposed reinforcing steel. The Right end of Bent # 3 cap has a delaminated area in the end of the cap. No apparent section loss to the exposed reinforcing steel.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1      Description      The Lt and Rt ends of Bent 2 cap has delaminated areas and spalls with exposed reinforcing steel.

Stage: Assigned



PHOTO 2      Description      The Lt and Rt ends of Bent 5 cap has delaminated areas and spalls with exposed reinforcing steel.

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### Maintenance Needs

Stage: Assigned



**PHOTO 3**      **Description**      The Lt and Rt ends of Bent 4 cap has delaminated areas and spalls with no exposed reinforcing steel.

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### Maintenance Needs

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

Priority: D - Routine

Work Code:

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Deficiency Description:

Deck Joints.

The deck joints have adhesion failure and appear to leak water.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      The deck joints have adhesion failure and appear to leak water.