

Bridge Inspection Report

06435
SH 28-Scott Co.
over
East Shadley Creek



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

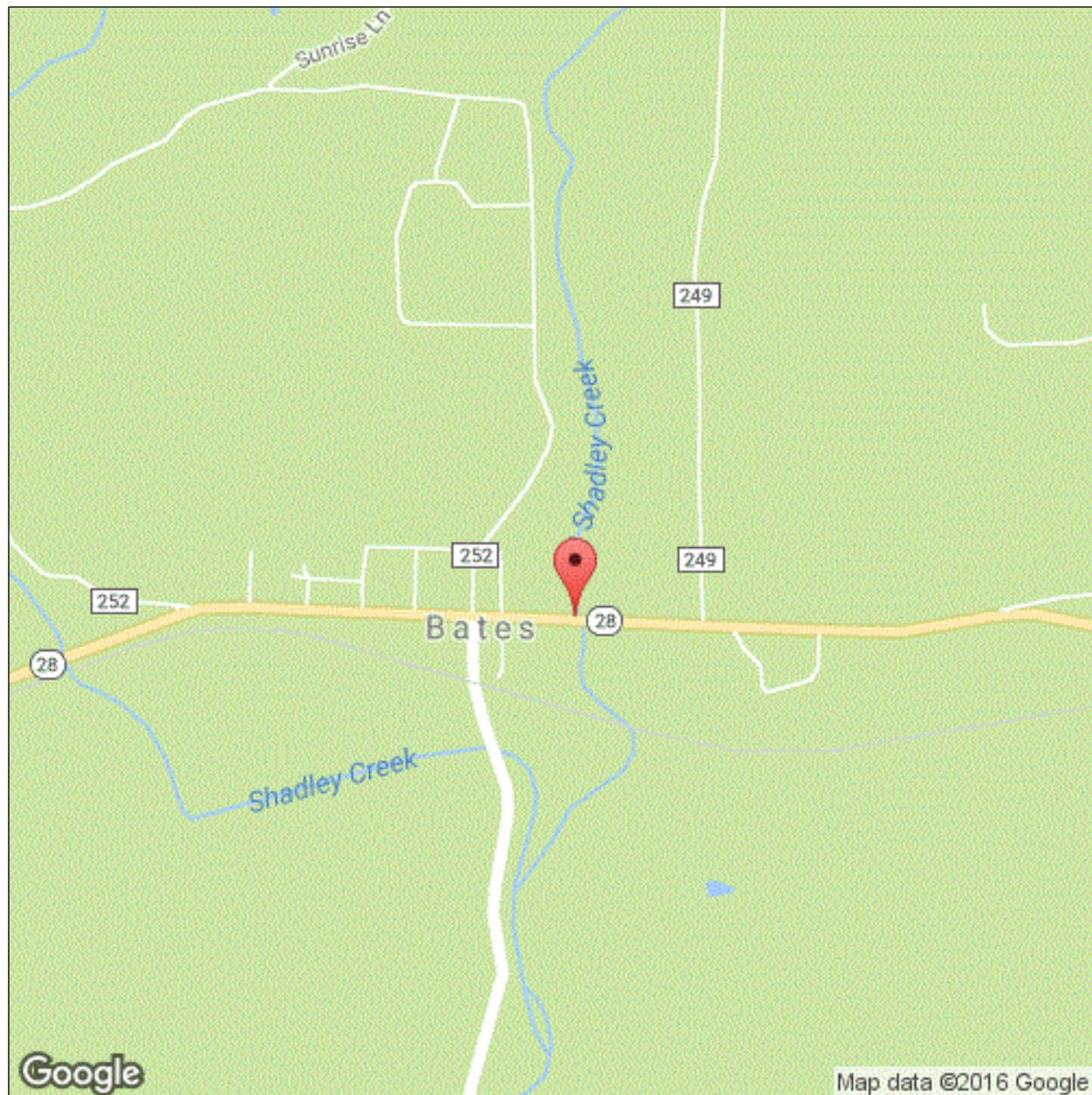
Structure Number: 06435

Inspection Date:

Facility Carried: SH 28-Scott Co.

Bridge Inspection Report

Location Map



Latitude: 34.90827

Longitude: -94.38518

Inspector:

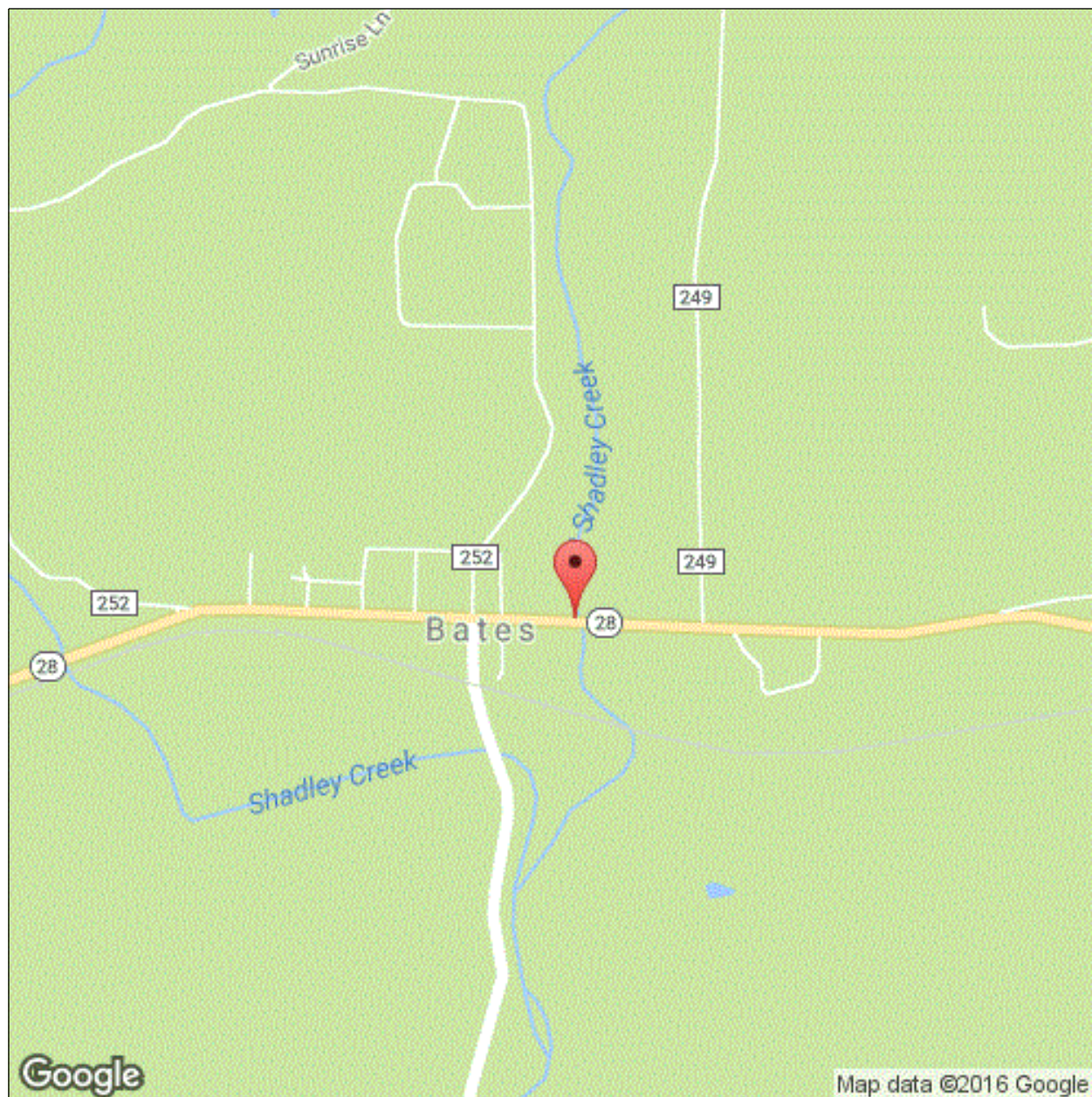
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Location Map



Latitude: 34.90827

Longitude: -94.38518

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Executive Summary

JPB & JCJ-Routine and Underwater Type 2 Inspections conducted on this date.

Underwater Type 2 Inspection: Footings have cover with no apparent scour problems at this inspection.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/16/2016
(8) STRUCTURE NUMBER	06435	(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	East Shadley Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28-Scott Co.		
(9) LOCATION	3.87 E OKLAHOMA LINE		
(11) MILEPOINT 3.869	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.90827	(17) LONGITUDE -94.38518		
(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 (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 4	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1993	(106) YEAR RECONSTRUCTED 0000	(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 500	(19) BYPASS DETOUR LENGTH 124	(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.) 120	(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.) 22.0		(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:	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 90.3
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 537	(115) YEAR OF FUTURE ADT 2028	(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	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.	3420	17	163	0
	-The driving surface has sealable cracks. -Diagonal cracks with light efflorescence in the corners spans. -Longitudinal hairline crack visible from the driving surface near the centerline of deck in Spans 1 & 2. -Pop outs due to shale inclusion in the concrete from the construction process.						
1120 - Efflorescence/Rust Staining		17			17		
1130 - Cracking (RC and Other)		163				163	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	480	ft.	444	36	0	0
	-Vertical hairline flexure cracks at approximately 12" centers typical. -Span 2, Girder 3 has a small delaminated area approx. 2' from Bent 2.						
1080 - Delamination/Spall/Patched Area		1			1		
1130 - Cracking (RC and Other)		35			35		
205 - Reinforced Concrete Column	1- Ben.	6	each	2	4	0	0
	-Light abrasion at the base of the columns.						
1190 - Abrasion/Wear (PSC/RC)		4			4		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
	-No significant noteworthy problems at this inspection.						
234 - Reinforced Concrete Pier Cap	1- Ben.	99	ft.	88	6	5	0
	-The Lt end of Bents 2 & 3 caps have delaminated areas with cracks and rust stains in the end of caps. -Left keyway in Bent 3 cap is grouted. -The Rt end of Bent 4 cap has shallow 24" long spalls with exposed reinforcing steel(Stirrups). Exposed reinforcing steel has active corrosion with initial section loss at this inspection.						
1080 - Delamination/Spall/Patched Area		3				3	
1090 - Exposed Rebar		3			1	2	
1130 - Cracking (RC and Other)		5			5		
331 - Reinforced Concrete Bridge Railing	1- Ben.	240	ft.	240			
	-No apparent problems at this inspection.						

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Pictures

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Sketches

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Substructure.

The Left end of Bents # 2 and 3 have delaminated areas with cracks and rust stains in the end of caps. The Right end of Bent # 4 cap has shallow 24" long spalls with exposed reinforcing steel (Stirrups). Exposed reinforcing steel has active corrosion with initial section loss at this inspection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description The Lt end of Bent 2 cap has delaminated areas with cracks and rust stains in the end of caps.

Stage: Assigned



PHOTO 2 Description The Rt end of Bent 4 cap has shallow 24" long spalls with exposed reinforcing steel (stirrups). Exposed reinforcing steel has active corrosion with initial section loss at this inspection.

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Deck Joints.

The compression deck joint seals are deteriorated and leak water on the substructure.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1	Description	The compression deck joint seals are deteriorated and leak water on the substructure.
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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Deck.

The driving surface of the deck has sealable cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description The driving surface of the deck has sealable cracks.