

Bridge Inspection Report

A0560

**US 167 Independ Co
over
CANEY CREEK**



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

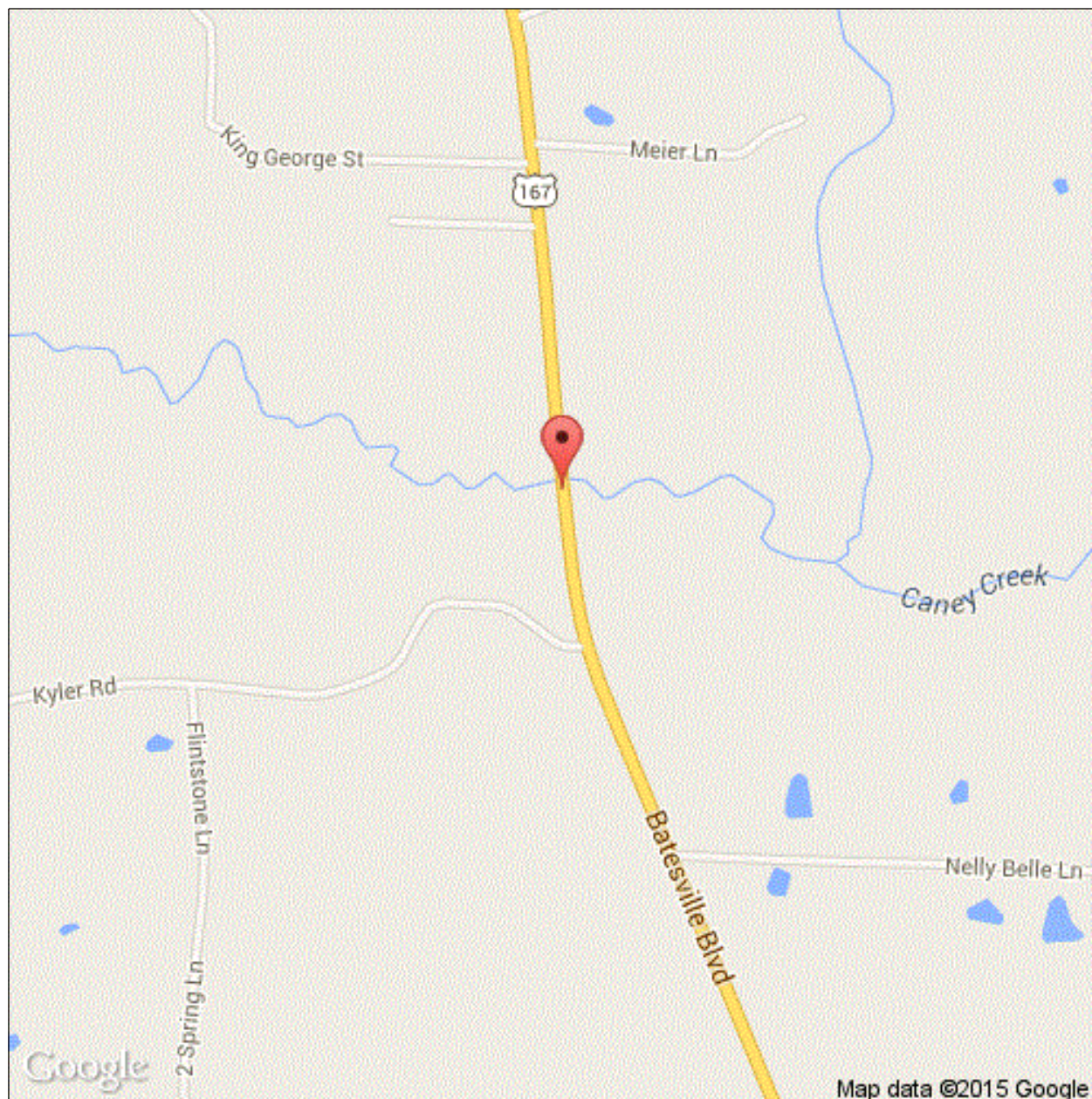
Structure Number: A0560

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Facility Carried: US 167 Independ Co

Bridge Inspection Report

Location Map



Latitude: 35.67910968623119

Longitude: -91.61573288343237

Inspector:

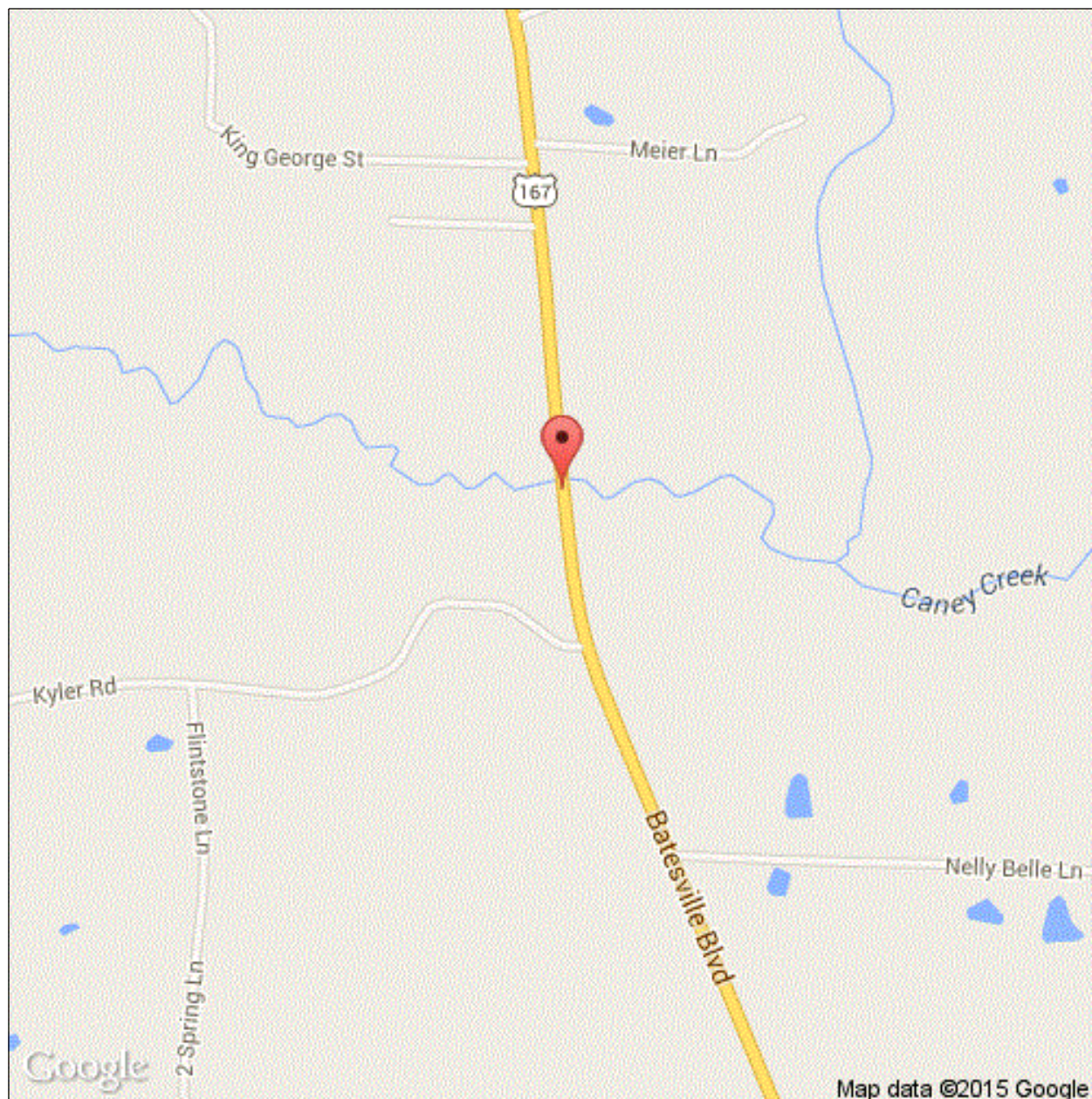
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Executive Summary

Logmile looking North.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/07/2019
(8) STRUCTURE NUMBER	A0560	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 167 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 063	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CANEY CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 167 Independ Co		
(9) LOCATION	1.5 MI SO JCT 14@ SO SIDE		
(11) MILEPOINT 11.218	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000167170 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.67910968623119	(17) LONGITUDE -91.61573288343237		
(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	7
(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 3	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1929	(106) YEAR RECONSTRUCTED 2003	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1	UNDER 5	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 04	UNDER 00	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 8900	(19) BYPASS DETOUR LENGTH 13	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 11		(70) BRIDGE POSTING	5
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 35	(49) STRUCTURE LENGTH (ft.) 104		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.4	RIGHT 1.4		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	75.1		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	77.8		
(32) APPROACH ROADWAY WIDTH (ft.)	75.1		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	75.1		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(67) STRUCTURAL EVALUATION	7
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	132.0	(68) DECK GEOMETRY	9
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	400	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	961	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 8317	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	1
		36B) TRANSITIONS:	1
		36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	91.2
		STATUS	0
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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
16 - Reinforced Concrete Top Flange	1- Ben.	8112	sq. ft.	5662	1800	650	0
	Numerous longitudinal, transverse and diagonal unsealed cracks at all spans. Several transverse, longitudinal and diagonal efflorescent cracks to deck below at all spans.						
1120 - Efflorescence/Rust Staining		1150		0	1150	0	0
1130 - Cracking (RC and Other)		1300		0	650	650	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	1040	ft.	1040	0	0	0
205 - Reinforced Concrete Column	1- Ben.	14	each	11	3	0	0
	Minor spalls/scaling to bottom of Columns 5, 6 & 7 @ Bent 1.						
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
215 - Reinforced Concrete Abutment	1- Ben.	248	ft.	215	32	1	0
	Minor spalls with vertical efflorescent cracks to Abutments 1 & 2. Efflorescent cracking with rust stains to Right wing @ Abutment 2.						
1120 - Efflorescence/Rust Staining		33		0	32	1	0
234 - Reinforced Concrete Pier Cap	1- Ben.	156	ft.	129	27	0	0
	Cracks with efflorescent buildup @ Bents 1 & 2.						
1120 - Efflorescence/Rust Staining		27		0	27	0	0
301 - Pourable Joint Seal	1- Ben.	404	ft.	344	0	60	0
	Minor loss of adhesion through out.						
2320 - Seal Adhesion		60		0	0	60	0
321 - Reinforced Concrete Approach Slab	1- Ben.	4188	sq. ft.	3188	200	800	0
	Several transverse and longitudinal unsealed cracks to both approach slabs.						
1130 - Cracking (RC and Other)		1000		0	200	800	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	208	ft.	192	16	0	0
	Minor vertical cracking to parapets.						
1130 - Cracking (RC and Other)		16		0	16	0	0

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Pictures

PHOTO 1

Description

PHOTO 2

Description

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 3

Description

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Bridge Inspection Report

Pictures

PHOTO 4

Description

PHOTO 5

Description

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Sketches

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Maintenance Needs

Date Reported: 05/11/2017

Priority: D - Routine

Work Code: Repair

Deficiency Description:

Numerous unsealed cracks to deck at all spans, and to Approach slabs at Abutments 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical unsealed deck cracks.

Stage: Assigned



PHOTO 2 Description Typical unsealed cracks to Approach Slab.